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University of California
College of Agriculture

STATISTICAL SUPPLEMENT

Agricultural Experiment Station Berkeley, California

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Agricultural Experiment Station Bulletin 729

LEMONS AND LEMON PRODUCTS

ECONOMIC STATUS, 1951

by

Sidney Hoos and R. E. Seltzer

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Statistical Supplement to

Agricultural Experiment Station Bulletin 729

Lemons and Lemon Products, Economic Status, 1951

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Sidney Hoos and R. E. Seltzer 2/

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Professor of Agricultural Economics, Agricultural Economist in the Experiment Station and on the Giannini Foundation.

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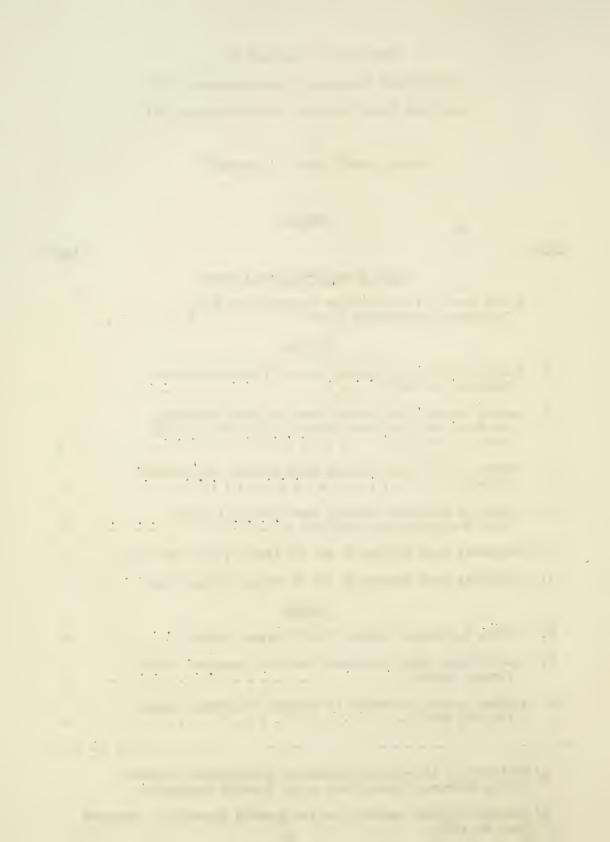
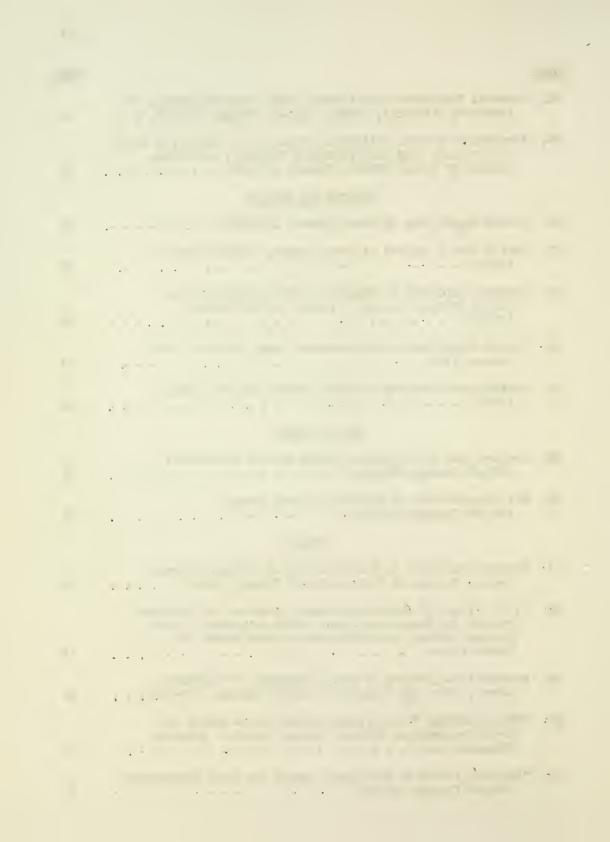


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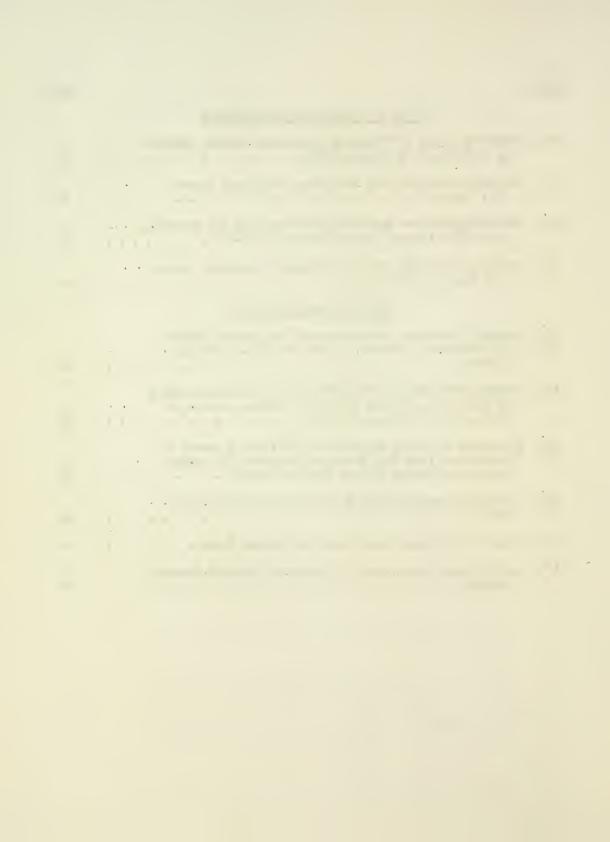


TABLE 1

Income from California Lemons Compared with Total California Agricultural Income

			Per cent of	Rank of lemons
ì	Cash farm	Total Cali-	total agri-	as an income-
	income	fornia agri-	cultural income	producing crop
Year	from lemons	cultural income	from lemons	in California
	1	2	3	Ţ
1	thousand	dollars	per cent	
	71	w()		_
1924	14,719	564,213	2.6	7
1925	20,986	639,060	3.3	7 8
1926	19,583	640,629	3.1	8
1927	20,409	682,129	3.0	7
1928	25,160	733,190	3.4	7 8
1929	26,218	766,226	3.4	
1930	27,692	673,106	4.1	7
1931	23,893	507,556	4.7	7
1932	19,999	403,093	5.0	7
1933	19,547	417,052	4.7	7
1934	23,311	486,703	1.8	7
1935	23,901	566,177	4.2	7 7 8 7 8 7
1936	30,569	653,493	4.7	0
1937	30,857	726,113	4.2	0
1938	23,064	579,472	4.0	
1939	24,443	606,007	4.0	0
1940	25,071	651,116	3.9	[
1941	31,992	860,437	3.7	0
1942	30,161	1,148,351	2.6	9 7
1943	49,604	1,575,165	3.1	
1944	48,318	1,726,347	2.8	7 8
1945	43,964	1,832,668	2.4	
1946	45,940	2,148,778	2.1	13
1947	37,969	2,138,192	1.8	15
1948	36,341	2,133,093	1.7	15
1949	47,130	2,057,211	2.3	10
1950	41,000	2,160,440	1.9	
1				
		de		

Sources:

- Col. 1: 1924-1942 from U.S. Bur. of Agricultural Economics. Cash Receipts from Farming, by States and Commodities, 1924-1944 (January, 1946). 1943-1950 from U.S. Bur. of Agricultural Economics, Farm Income Situation.
- Col. 2: U.S. Dept. of Agriculture, Farm Income Situation, Cash Receipts by States, by Commodities, 1924 through 1950.
- Col. 3: Column 1 column 2.
- Col. 4: Calculated from source of data.

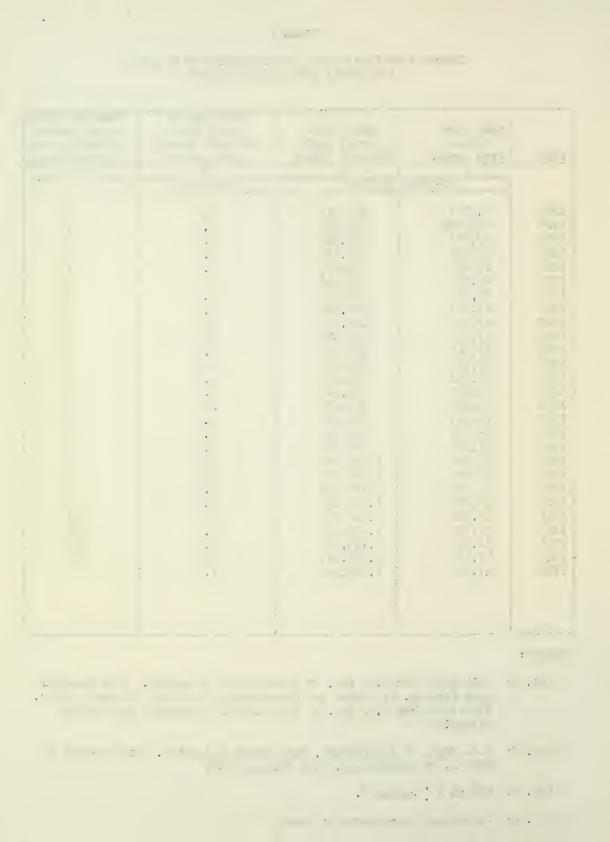


TABLE 2

Bearing Acreage, California Lemons, by Major Producing Counties, 1919-1950

					Coun					
Bloom		Los			San Ber-		Santa		All	State
year	Tulare	Angeles	Orange	side	nardino	Diego	Barbara	Ventura	others	total
		acres								
				٠.						1
1919	1,200	10,236	5,800	4,370	3,998	4,000	1,000	4,100	866	35,570
1920	1,500	10,700	6,500	4,520	4,404	4,050	1,000	4,700	876	38,250
1921	1,800	11,200	7,080	4,400	4,829	4,100	1,035	5,200		40,530
1922	1,600	11,260	7,050	li,460	4,882	4,150	1,140	5,350		40,980
1923	1,500	11,260	7,000	4,500	4,947	4,200	1,250	5,475		41,230
1924	1,450	11,264	6,900	4,430	5,000	4,250	1,350	5,500		41,250
1925	1,400	11,641	6,850	4,220	5,200	4,250	1,365	5,500		41,560
1926	1,350	11,806	6,815	3,810	5,295	4,250	1,565	5,500		41,540
1927	1,326	11,637	6,622	3,694	5,200	4,257	1,565	5,500		41,010
1928	1,331	11,698	6,531	3,590	4,980	4,382	1,625	5,500		40,850
1929	1,331	11,553	6,634	3,381	4,599	4,525	1,686	5,610		40,500
1930	1,331	11,366	6,815	3,381	4,593	4,658	1,718	5,625		40,670
1931	1,335	11,386	6,847	3,342	4,593	4,768	1,766	5,750		40,970
1932	1,335	11,050	6,855	3,416	4,600	4,760	1,766	5,765		40,730
1933	1,250	10,750	6,576	3,482	4,403	4,730	2,120	5,850		40,180
1934	1,200	10,500	6,394	3,482	4,398	4,820	2,620	5,940		140,410
1935	1,150	10,200	6,431	3,482	4,325	4,920	2,750	6,350		40,590
1936	1,095	10,100	6,519	3,485	4,458	5,130	3,028	7,400		42,124
1937	1,120	10,003	6,806	3,523	4,749	5,455	3,567	9,240		45,377
1938	1,160	10,536	7,135	3,548	4,949	5,980	4,466	10,690	621	49,387
1939	1,163	11,082	7,412	3,577	5,220	6,500	4,837	11,510		54,071
1940 1941	1,179	11,462	7,473	3,572	5,380	6,795	5,254 5,840	12,297		55,652
1941	1,211	11,684	7,086	3,574	5,573 5,780	6,930	6,337	13,565	602	57,102
1942	1,196	12,093		3,611		7,023	6,932	15,161	462	60,129
1943	1,262	12,093	7,223 7,397	3,707	6,122	7,317	7,676	16,462		62,707
1944	1,246	12,247	7,924	3,702	6,316	7,426	8,214	17,978	471	
1945	1,263	12,228	7,937	3,712	6,333	7,523	8,406	18,670	508	
1947	1,263	12,064	7,930	3,697	6,345	7,235	8,606	17,303	429	64,872
1948	1,269	11,643		3,648	6,245	7,046		17,853	382	
1949	1,086	10,697	7,939 5,156	3,231	5,732	5,422	8,788	17,708	372	58,192
1950	1,021	10,697	4,938	3,234	5,636	5,375	6,818	16,537	419	
17,00	15061	10,440	4,700	7,234	7,000	2,213	0,010	10,001	417	749410
									1	
		d	1			J		<u> </u>		

Sources:

1919-1946: Unpublished revised estimates of bearing acreage of

California lemons from R. E. Blair, California Crop and

Livestock Reporting Service, September 13, 1950.

1947, 1948 and 1949: California Fruit and Nut Acreage. California Cooperative Crop Reporting Service, annual reports.

1950: State of California, Dept. of Agriculture, bulletin, vol. XL, number 2, April-May-June, 1951.



TABLE 3

Bearing Acreage, California Lemons, by Major Producing Counties, Per Cent Each County's Acreage Was of State Total, 1919-1950

ſ 	County									
Bloom		Los		River-	San Ber-		Santa	!	All	State
year	Tulare	Angeles	Orange	side			Barbara	Ventura	others	total
		per cent								
1919	3.4	28.8	16.3	12.3	11.2	11.3	2.8	11.5	2.4	100
1920	3.9	28.0	17.0	11.8	11.5	10.6	2.6	12.3	2.3	100
1921	4.4	27.6	17.5	10.9	11.9	10.1	2.6	12.8	2.2	100
1922	3.9	27.5	17.2	10.9	11.9	10.1	2.8	13.1	2.6	100
1923	3.6	273	17.0	10.9	12.0	10.2	3.0	13.3	2.7	100
1924	3.5	27.3	16.7	10.8	12.1	10.3	3.3	13.3	2.7	100
1925	3.4	28.0	16.5	10.2	12.5	10.2	3.3	13.2	2.7	100
1926	3.3	28.4	16.4	9.2	12.7	10.2	3.8	13.2	2.8	100
1927	3.2	28.4	16.1	9.0	12.7	10.4	3.8	13.4	3.0	100
1928	3.2	28.6	16.0 16.4	8.8 8.3	12.2 11.4	10.7	4.0	13.5	3.0 2.9	100 100
1929	3.3	28.5	16.8	8.3	11.4			13.8	2.9	100
1930 1931	3.3 3.3	27.9 27.8	16.7	8.2	11.2	11.5	4.2	14.0	2.9	100
1932	3.3	27.1	16.8	8.4	11.3	11.7	4.3	14.2	2.9	100
1933	3.1	26.7	16.4	8.7	10.9	11.3	5.3	14.6	2.5	100
1934	3.0	26.0	15.3	8.6	10.9	11.9	6.5	14.7	2.6	100
1935	2.8	25.1	15.8	8.6	10.7	12.1	6.8	15.7	2.4	100
1936	2.6	24.0	15.5	8.3	10.6	12.2	7.2	17.5	2.1	100
1937	2.5	22.0	15.0	7.8	10.5	12.0	7.8	20.4	2.0	100
1938	2.4	21.3	14.5	7.2	10.0	12.1	9.0	21.6	1.9	100
1939	2.2	21.3	14.3	6.9	10.0	12.5	9.3	22.2	1.3	100
1940	2.2	21.2	13.8	6.6	10.0	12.6	9.7	22.7	1.2	100
1941	2.2	21.0	13.1	6.4	10.0	12.5	10.5	23.2	1.1	100
1942	2.1	20.8	12.4	6.3	10.1	12.3	11.1	23.8	1.1	100
1943	2.0	20.1	12.0	6.1	10.2	12.1	11.5	25.2	0.8	100
1944	2.0	19.5	11.8	5.9	9.9	11.7	12.2	26.3	0.7	100
1945	1.9	18.7	12.1	5.7	9.7	11.3	12.5	27.4	0.7	100
1946	1.9	18.4	11.9	5.6	9.5	11.3	12.6	28.0	0.8	100
1947	1.9	18.6	12.2	5.7	9.8	11.1	13.3	26.7	0.7	100
1948	2.0	18.0	12.3	5.6	9.6	10.9	13.4	27.6	0.6	100
1949	1.9	18.4	8.9	5.6	9.8	9.3	15.1	30.4	0.6	100
1950	1.9	19.2	9.1	5.9	10.3	9.9	12.5	30.4	0.8	100
			İ							
				1						
L	l	1	1		1					1

Sources:

1919-1946:

Calculated from unpublished revised estimates of bearing acreage of California lemons from R. E. Blair, California Crop and Livestock Reporting Service, September 13, 1950

1947-1950:

Calculated from data in California Fruit and Nut Acreage. California Crop and Livestock Reporting Service, annual reports.



TABLE 4
Changes in California Bearing Lemon Acreage, by Counties, 1919-1949

	Le	emon acrea	ge		cent of s	1
County	1919	1949	Change	1919	1949	Change
'	11	2	3	1	5	6
Los Angeles	10,236	10,697	+ 461	28.8	18.4	-10.4
Orange	5,800	5,156	- 644	16.3	8.9	- 7.4
Riverside	4,370	3,231	- 1,139	12.3	5.6	- 6.7
San Bernardino	3,998	5,732	+ 1,734	11.2	9.8	- 1.4
San Diego	4,000	5,442	+ 1,442	11.3	9.3	- 2.0
Santa Barbara	1,000	8,788	+ 7,788	2.8	15.1	+12.3
Ventura	4,100	17,708	+13,608	11.5	30.4	+18.9
Tulare	1,200	1,086	- 114	3.4	1.9	- 1.5
All others	866	372	- 494	2.4	0.6	- 1.8
State total	35,570	58,192	+22,622	100.0	100.0	

Source:

Cols. 1 and 2:

Unpublished revised estimates of California lemon acreage in letter from R. E. Blair, California Crop and Livestock Reporting Service, September 13, 1950.

Cols. 3, 4, 5 and 6: Calculated from data in columns 1 and 2.



TABLE 5

Density of California Bearing Lemon Acreage in 1949,
Seven Major Producing Counties

County	Lemon acreage l	Total agricultural acreage 2	Acres of lemons per 1,000 agricultural acres 3
Los Angeles	10,697	678,941	15.8
Riverside	3,231	722,632	4.5
Orange	5,156	346,621	14.9
San Bernardino	5,732	422,856	13.6
San Diego	5,422	911,538	6.0
Santa Barbara	8,788	893,844	9.8
Ventura	17,708	521,208	34.0

Sources:

California Cooperative Crop Reporting Service.

- Col. 1: Unpublished revised estimates of bearing acreage of California lemons from R. E. Blair, California Crop and Livestock Reporting Service, September 13, 1950.
- Col. 2: Southern California Crops and Markets, Annual Statistical Supplement, 1949.

Col. 3: Column 1
$$\frac{1}{1000}$$
.



TABLE 6
California Lemon Acreage, by Age and Variety,
1936 and 1944

	Eure	eka	Lis	bon .		Franca	Other	varieties	Tot	al
Age group	1936	1944	1936	1944	1936	1944	1936	1944	1936	1944
l year	1,923	525	237	1	39	7	50	3	2,249	536
2 years	2,863		182	3	97	1	50		3,192	
3 years	3,602		289	6	53	que (*19	45	2	3,989	
4 years	4,110		336	111	97	11	67	10	4,610	
5 years	3,924	2,973	378	89	27	58	26	14	4,356	3,134
6 years	2,817	2,777	272	116	2	42	3	2	3,094	2,937
7 years	1,795		239	272	12	24	11		2,056	
8 years	815	2,053	257	175	7	80	28	4	1,107	2,312
9 years		1,973		244		58	eder Gara.	41		2,316
10 years		2,427		165		101		44		2,737
9 to 12 years	2,836		465		31		95	no ra	3,426	
11 to 15 years		14,522		1,071		224		349		16,166
13 to 17 years	3,554		274		76	-	163		4,067	Micro
16 to 20 years		3,126		420		69		85		3,696
18 to 22 years	9,269		1,060		117		258		10,704	
21 and older		24,806		2,859		675		633		28,973
23 and older	14,938		1,920		472	-	1,000		18,329	
Bearing		54,973			715	1	1,558	1,158	42,757	
Nonbearing		5,545			313	77	238	29	18,422	
110110001 1115	10,200	0,020	2 9 2 20	~01	0.10		200	20	209200	3,000
Total	52.446	60,518	5.910	5.528	1.028	1,350	7.796	1,187	63.179	68,583
10041	الكشيد و مان	00,010	010	الم الم الم	ع م م	1,000	12,700	1,101	00,110	,000
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Sources:

1936: California Fruit and Nut Acreage Survey, Statistical Publication No. 1 of the A.A.A., 1938.

1944: California Crop and Livestock Reporting Service. Acreage Estimates, California Fruit and Nut Crops as of 1944.

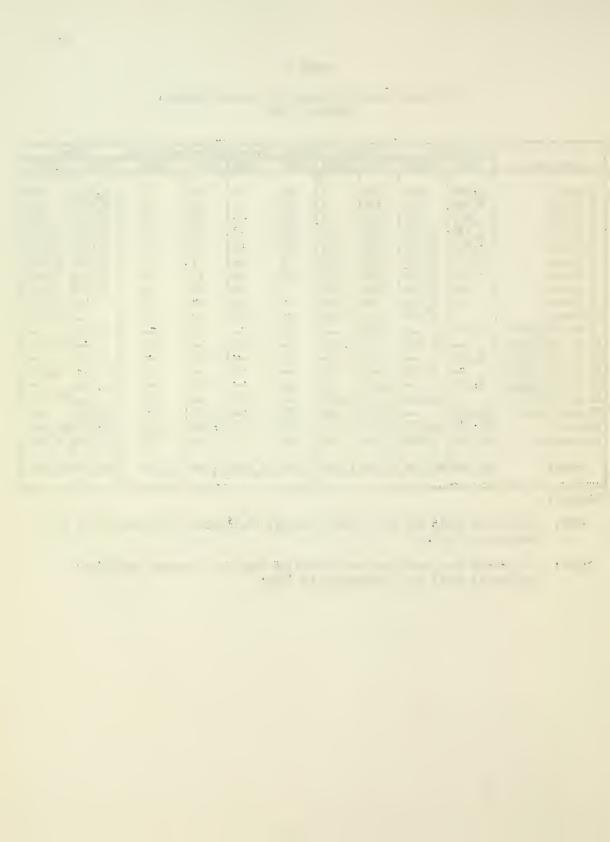


TABLE 7

California Lemon Acreage,
by Age of Trees, 1939 and 1949

Age group in years								
Year		Less than 6	6-10	11-15	16-20	21-25	Over 25	Total
1939:	acres	14,043	18,325	4,593	3,954	10,674	17,717	69,306
1939:	per cent of total	20.3	26.4	6.6	5.7	15.4	25.6	100
1949:	acres	4,543	6,290	13,150	13,328	3,291	22,144	62,746
1949:	per cent of total	7.2	10.1	21.0	21.1	5.3	35.3	100
			1		1 1 1 1 1		9	

Source: California Crop and Livestock Reporting Service. Acreage Estimates of California Fruit and Nut Crops, as of 1939 and 1949.



TABLE 8
Yields, California Lemons, 1924-25 Through 1949-50

Year	Yield per bearing acre	Year	Yield per bearing acre
	packed boxes		packed boxes
1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1930-31 1931-32 1932-33 1933-34 1934-35 1935-36 1936-37	123 165 158 130 184 149 191 185 162 179 260 192 178	1937-38 1938-39 1939-40 1940-41 1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49 1949-50	197 216 217 318 210 260 185 201 221 207 198 153 198

Source: California Fruit Growers Exchange. Statistical Information on the Citrus Industry.



TABLE 9

Lemon Yields, Major California Producing Counties,
1930-31 Through 1949-50

Year	Los Angeles Orange R		Riverside	San Bernardino	San Diego	Santa Barbara	Ventura			
	packed boxes									
1930-31 1931-32 1932-33 1933-34 1934-35 1935-36 1936-37 1937-38 1938-39 1939-40 1940-41 1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49 1949-50	129 176 158 134 189 202 200 154 166 236 233 278 198 257 194 228 239 209 179 172	106 126 87 129 114 139 138 83 130 113 165 252 177 191 140 175 144 152 142 161	95 150 136 100 162 134 162 108 100 171 163 252 129 200 162 217 195 195 176 233	167 220 157 177 190 218 184 126 108 151 163 316 221 212 193 180 197 173 145 122	200 193 155 156 124 112 161 77 115 129 164 140 151 170 158 157 149 141	170 217 203 138 161 304 198 199 227 222 264 322 226 300 161 182 238 211 211 145	173 223 234 167 199 275 217 228 298 197 207 373 244 316 176 186 261 259 277 223			

Source: Calculated from data in Southern California Crops and Markets, Los Angeles Chamber of Commerce. Annual Statistical Supplements, 1930 through 1950.



TABLE 10

Average Yields and Changes in Acreage,
California Lemons, 1940-1949

	Average yield per acre.	Per cent of state lemon acreage				
County	1940-1949	1940	1949	Change		
	packed boxes					
Ventura	252	22.7	30.4	+7•7		
Santa Barbara	226	9•7	15.1	+5.4		
Los Angeles	219	21.2	18.4	-2.8		
San Bernardino	192	10,0	9.8	-0.2		
Riverside	192	6,6	5.6	-1.0		
Orange	170	13.8	8.9	-4.9		
San Diego	160	12.6	9.3	-3.3		
State total	216					

Sources: Acreage data from unpublished revised estimates of bearing acreage of California lemons, from R. E. Blair, California Crop and Livestock Reporting Service, September 13, 1950. Yields calculated from data in Southern California Crops and Markets, Los Angeles Chamber of Commerce.



TABLE 11
Estimated World Lemon Production, by Countries, 1919-20 Through 1949-50

	Tr		T1 2				World
Year	United States 000 packed per cent		Italy 000 packed per cent		All other countries 000 packed per cent		total
							000 packed
	boxes	world	boxes	world	boxes	world	boxes
1919-20	4,532	28.6	588, 10	66.8	734	4.6	15,854
1920-21	5,641	34.5	10,099	61.7	626	3.8	16,366
1921-22	4,377	25.4	12,067	69.9	807	4.7	17,251
1922-23	3,783	20.2	13,316	71.1	1,636	8.7	18,735
1923-24	6,432	31.8	12,150	60.2	1,616	8.0	20,198
1924-25	5,301	26.5	12,801	64.1	1,882	9.4	19,984
1925-26	7,317	32.5	13,080	58.2	2,085	9.3	22,482
1926-27	6,861	27.4	16,151	64.5	2,021	8.1	25,033
1927-28	5,419	26.3	13,015	63.0	2,209	10.7	20,643
1928-29	7,620	32.5	13,038	55.6	2,777	11.9	23,435
1929-30	6,109	25.5	15,079	63.1	2,726	11.4	23,914
1930-31	7,950	30.8	15,154	58.6	2,733	10.6	25,837
1931-32	7,696	35.4	11,283	51.9	2,753	12.7	21,732
1932-33	6,704	23.8	18,598	66.1	2,826	10.1	28,128
1933-34	7,295	31.5	13,024	56.1	2,884	12.4	23,203
1934-35	10,747	42.1	11,155	43.8	3,589	14.1	25,491
1935-36	7,787	35.0	10,253	46.1	4,196	18.9	22,236
1936-37	7,579	36.7	8,247	39.9	4,850	23.4	20,676
1937-38	9,304	40.0	8,662	37.2	5,323	22.8	23,289
1938-39	11,106	39.8	11,330	40.6	5,481	19.6	27,917
1939-40	11,983	44.1	9,694	35.6	5,516	20.3	27,193
1940-41	17,236	52.3	9,897	30.1	5,809	17.6	32,942
1941-42	11,720	43.1	9,860	36.2	5,644	20.7 21.6	27,224
1942-43 1943-44	14,880	48.4	9,204	30.0 30.6	6,630	24.0	30,714
	11,050	45.4	7,455	28.1	5,858	19.7	24,363
1944-45	12,633	52.2	6,800	24.9	4,767		24,200
1945-46	14,500	56.4 52.1	6,400	26.8	4,800	18.7 21.1	25,700 26,500
1946-47 1947-48	13,800 12,900	46.2	7,100 8,100	29.0	5,600 6,900	24.7	20,500
1947-40	9,900	41.9	7,400	31.4	6,300	26.7	27,900
1940-49	11,500	49.3	6,100	26.2	5,700	24.5	23,300
1747 - 50	22000	47.0	0,100	20.2	9,100	2400	000ورء

Source: California Fruit Growers Exchange. Statistical Information on the Citrus Industry.

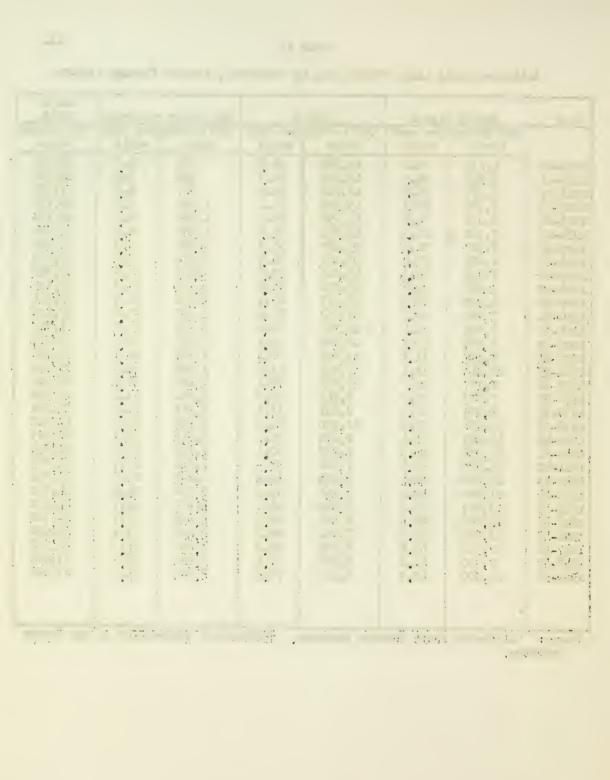


TABLE 12

Lemon Production, Major California Producing Counties,
1930-31 Through 1949-50

Year	Los Angeles	Orange	Riverside	San Berna rdin o	San Diego	Santa Barbara	Ventura		
	000 packed boxes								
1930-31 1931-32 1932-33 1933-34 1934-35 1935-36 1936-37 1937-38 1938-39 1939-40 1940-41 1941-42 1942-43 1943-44 1944-45 1946-47 1947-48 1948-49 1949-50	1,464 2,006 1,748 1,445 2,063 2,021 1,538 2,754 2,667 3,354 3,365 2,795 2,524 2,842	722 861 574 867 726 897 905 566 929 839 1,230 1,836 1,251 1,381 1,034 1,382 1,141 1,202 1,127 832	322 502 465 348 563 468 564 379 354 610 584 900 466 728 601 802 724 700 641 752	767 1,010 724 780 837 944 821 597 533 787 876 1,766 1,286 1,198 1,139 1,247 1,094 903 701	932 922 738 739 599 551 827 424 686 837 1,117 971 1,338 1,341 1,110 1,265 1,191 1,134 1,049 763	292 382 358 293 422 835 599 710 1,076 1,386 1,882 1,434 2,079 1,238 1,491 2,003 1,953 1,953 1,974 1,373	970 1,283 1,347 976 1,183 1,745 1,604 2,104 2,432 2,298 2,550 4,822 3,308 4,789 2,898 3,338 4,863 4,863 4,865 4,882 3,945		

Source: Los Angeles Chamber of Commerce, Southern California Crops and Markets. Annual Statistical Supplement, 1930 through 1950.



TABLE 13

Indexes of Acreage, Yields, and Production of California Lemons, 1919-20 Through 1949-50. Average of 1935-36 Through 1939-40 - 100

	Total acreage		Bearing acreage		Yields		Production	
Year	Acres	Index	Acres	Index	Yield	Index	Production	Index
	000	1935-1939 = 100	000	1935 - 1939 = 100	packed boxes	1935-1939= 100	000 packed boxes	1935-1939= 100
1919-20 1920-21 1921-22 1922-23 1923-24 1924-25 1925-26 1926-27 1927-28 1928-29 1929-30 1930-31 1931-32 1932-33 1933-34 1934-35 1935-36 1936-37 1937-38 1938-39 1939-40 1940-41 1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49 1949-50	45.8 50.8 50.8 52.2 50.7 51.0 50.9 49.7 46.0 43.2 44.0 45.5 46.8 49.1 49.9 51.4 56.7 61.2 63.3 66.3 68.8 68.8 68.6 68.6 68.5 68.9 67.4 68.4 68.4 68.5	72.2 80.1 82.3 80.0 80.4 80.3 78.4 72.6 68.1 69.4 69.5 71.8 73.8 77.4 78.7 81.1 89.4 96.5 99.8 104.6 109.3 108.4 109.5 108.5 107.9 108.2 108.0 108.7 106.3 107.9 98.9	35.6 38.3 40.0 41.2 41.6 40.7 40.4 40.4 40.4 40.4 40.4 40.4 40.4 40.7 50.6 60.9 60.7	77.6 83.4 88.2 89.3 89.8 90.0 90.6 90.4 89.3 88.7 87.6 88.7 87.6 88.7 91.7 98.9 107.6 113.3 117.9 121.4 130.9 136.6 142.7 145.1 141.4 141.0 126.8	127 147 108 92 156 123 165 158 130 184 149 162 179 260 192 178 197 216 217 318 210 260 185 201 207 198 153 198	63.5 73.5 54.0 46.0 78.0 61.5 82.5 79.0 65.0 92.0 74.5 92.5 81.0 98.5 130.0 98.5 159.0 108.5 159.0 109.5 110.5 109.5 109.5 109.5 99.0	4,532 5,641 4,377 3,783 6,432 5,301 7,317 6,861 5,419 7,620 6,109 7,950 7,696 6,704 7,295 10,747 7,787 7,579 9,304 11,106 11,983 17,200 11,700 14,900 11,100 12,600 14,500 13,800 12,900 9,900 11,500	47.4 59.1 45.8 39.6 67.3 55.5 76.6 71.8 56.7 79.8 64.0 83.2 80.6 70.2 76.4 112.5 81.5 79.3 97.4 116.3 125.5 180.1 122.5 156.0 116.2 131.9 151.8 144.5 135.1 103.6 120.4
1935-1939 average	63.4		45.9		200		9,552	

Sources: Acreage from California Crop and Livestock Reporting Service. Acreage Estimates of California Fruit and Nut Crops. Production and yields from California Fruit Growers Exchange. Statistical Information on the Citrus Industry.

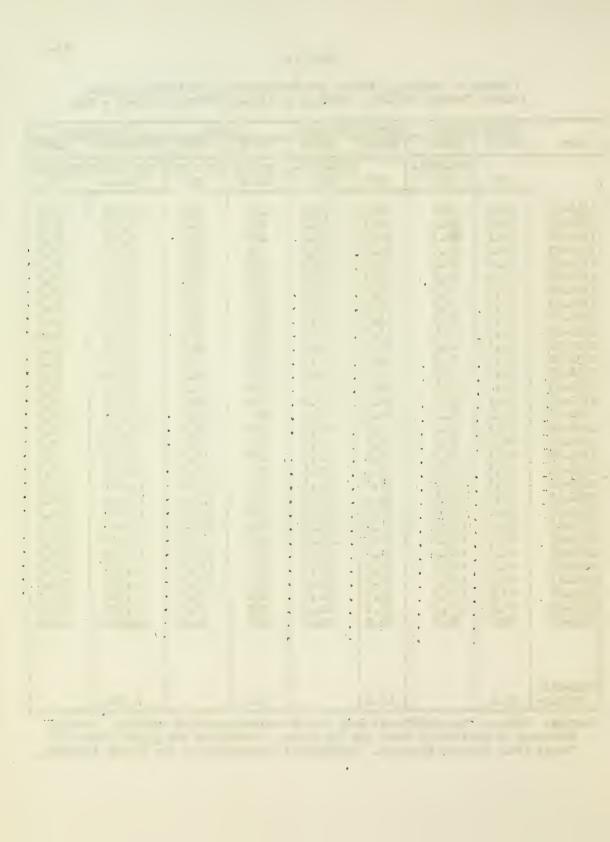


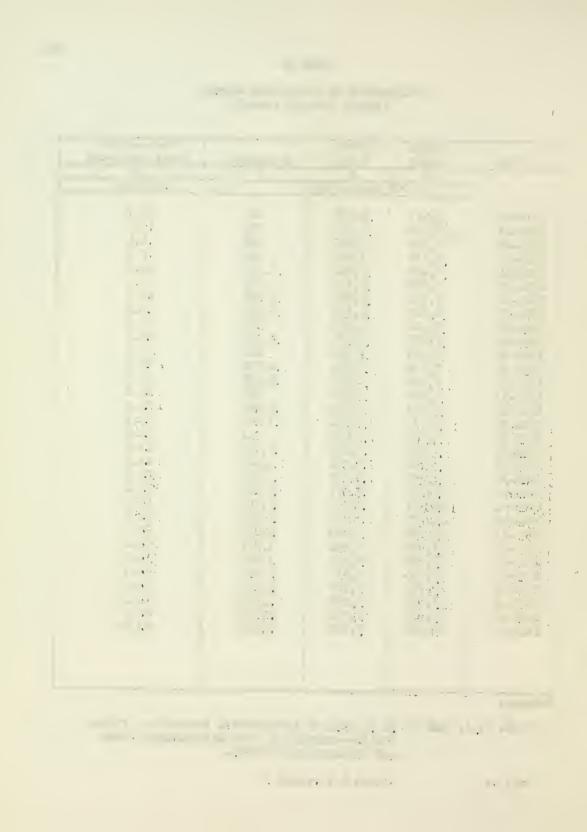
TABLE 14
Utilization of California Lemons, 1919-20 Through 1949-50

	· Total	Fresh		Per cent of
Year	sales	. sales	Processed	total processed
	1	2	3	L L
		packed boxe		per cent
		:		
1919-20	4,521	4,038	483	10.7
1920-21	5,630	5,037	593	10.5
1921-22	4,366	4,085	281	6.4
1922-23	3,772	3,676	96	2.5
1923-24	6,421	5,264	1,157	18.0
1924-25	5,290	4,775	515	9.7
1925-26	7,305	5,821	1,484	20.3
1926-27	6,849	4,534	2,315	33.8
1927-28	5,406	4,895	511	9.5
1928-29	7,607	5,574	2,033	26.7
1929-30	6,095	5,629	466	7.6
1930-31	7,936	5,704	2,232	28.1
1931-32	7,682	5,247	2,435	31.7
1932-33	6,690	5,742	948	14.2
1933-34	7,281	6,194	1,087	14.9
1934-35	10,733	7,184	3,549	33.1
1935-36	7,773	7,422	351	4.5
1936-37	7,565	6,533	1,032	13.6
1937 - 38 1938 - 39	9,290	7,761 7,777	1,529	16.5 29.9
1939-40	11,969	8,327	3,315 3,642	30.4
1940-41	16,719	8,863	7,856	47.0
1941-42	11,705	7,870	3,835	32.8
1942-43	14,865	9,640	5,225	35.1
1943-44	11,035	9,264	1,771	16.0
1944-45	12,535	9,635	2,900	23.1
1945-46	14,435	9,115	5,321	36.9
1946-47	13,785	9,369	4,414	32.0
1947-48	12,855	8,469	4,386	34.1
1948-49	9,995	7,780	2,215	22.2
1949-50	10,485	7,569	2,916	27.8
	, , ,	. , , ,	,,	

Sources:

Cols. 1, 2, and 3: U. S. Bur. of Agricultural Economics. Citrus
Fruits--Production, Farm Disposition, Value
and Utilization of Sales.

Col. 4: Column 4 - calumn 2.



TARLE 15

Yearly Industry Production and Utilization of Lemons,
1941-42 Through 1949-50

1		1	Fre	sh use			
		Inter-	Intra-			Ship for	Elimi-
Year	Picks	state	state	Export	Total	processing	nation
			stand	ard cars			
1941-42	28,762	17,888	1,695	107	19,690	9,221	187
1942-43	37,297	21,033	2,418	230	23,681	12,932	404
1943-44	26,658	20,774	2,111	476	23,361	4,781	89
1944-45	30,494	20,451	2,330	774	23,555	6,908	114
1945-46	35,379	19,849	2,196	496	22,541	13,072	162
1945-40	33,560	19,909	2,461	430	22,800	10,354	168
1940-47	31,035	18,532	2,066	277	20,875	10,695	401
1948-49	23,624	17,079	2,262	217	19,558	5,751	325
1949-50	27,011	15,840	2,056	250	18,146	7,448	229
-,-,	1		_,_,		, , , , ,	,,,,,	
		to	ns at 16	tons per	car	,	
1941-42	460,192	286,208	27,120	1,712	315,040	147,536	2,992
1941-42	596,752	336,528	38,688	3,680	378,896	206,912	6,464
1943-44	426,528	332,384	33,776	7,616	373,776	76,496	1,424
1944-45	487,904	327,216	37,280	12,384	376,880	110,528	1,824
->	1	22,9210	71,200		5,5,500	110,000	024
1945-46	566,064	317,584	35,136	7,936	360,656	209,152	2,592
1946-47	536,960	318,544	39,376	6,880	364,800	165,664	2,688
1947-48	496,560	296,512	33,056	4,432	334,000	171,120	6,416
1948-49	377,984	273,264	36,192	3,472	312,928	92,016	5,200
1949-50	432,176	253,440	32,896	4,000	290,336	119,168	3,664
1	1						
					<u></u>		

Source: Records of Lemon Administrative Committee.

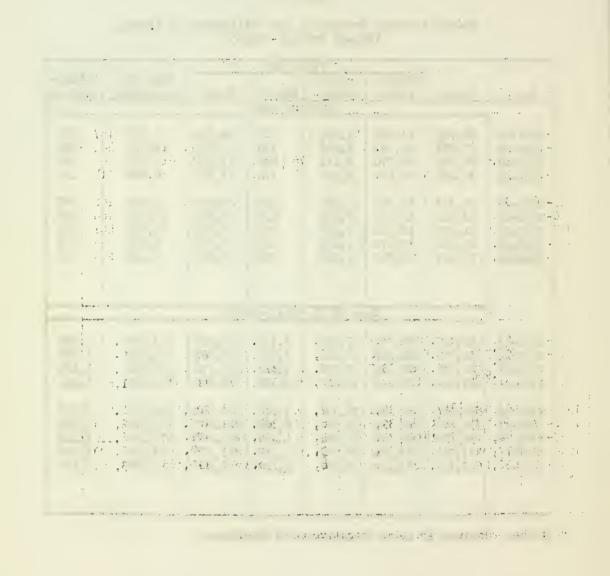


TABLE 16

Crop Year Utilization and Divisions of Lemons for Processing by Type of Products, 1941-42 Through 1949-50

	•			Processing			
Total used	Elimination	Available supply	Fresh use	Citric acid use	Apparent juice use		
		tens					
465,568	2,992	462,576	315,040	86,692	60,844		
592,272	6,464	585,808	378,896	85,397	121,515		
451,696	1,424	450,272	373,776	27,469	49,027		
489,232	1,824	487,408	376,880	42,540	67,988		
572,400	2,592	569,808	360,656	150,190	58,962		
533,152	2,688	530,464	364,800	126,442	39,222		
511,536	6,416	505,120	334,000	109,146	61,974		
410,144	5,200	404,944	312,928	30,664	61,352		
413,168	3,664	409,504	290,336	19,099	100,069		
	used 465,568 592,272 451,696 489,232 572,400 533,152 511,536 410,144	1465,568 2,992 592,272 6,464 451,696 1,424 489,232 1,824 572,400 2,592 533,152 2,688 511,536 6,416 410,144 5,200	used Elimination supply 465,568 2,992 462,576 592,272 6,464 585,808 451,696 1,424 450,272 489,232 1,824 487,408 572,400 2,592 569,808 533,152 2,688 530,464 511,536 6,416 505,120 410,144 5,200 404,944	used Elimination supply use tcns tcns 465,568 2,992 462,576 315,040 592,272 6,464 585,808 378,896 451,696 1,424 450,272 373,776 489,232 1,824 487,408 376,880 572,400 2,592 569,808 360,656 533,152 2,688 530,464 364,800 511,536 6,416 505,120 334,000 410,144 5,200 404,944 312,928	Total used Elimination Supply use use use tens 465,568 2,992 462,576 315,040 86,692 592,272 6,464 585,808 378,896 85,397 451,696 1,424 450,272 373,776 27,469 489,232 1,824 487,408 376,880 42,540 572,400 2,592 569,808 360,656 150,190 533,152 2,688 530,464 364,800 126,442 511,536 6,416 505,120 334,000 109,146 410,144 5,200 404,944 312,928 30,664		

Source: Lemon Administrative Committee. Exchange Lemon Products Company records.

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TABLE 17

Seasonal Variation in Picks, Storage, and Fresh Shipments of California Lemons, Average of Years 1935-36 Through 1948-49

Month	Index of picks ² /	Index of storage ^a /	Index of fresh shipments2/
November	67.6	37.6	56.7
December	72.9	40.0	67.4
January	122.5	50.1	74.0
February	140.9	79.4	65,3
March	221.4	127.9	83.7
April	236.2	137.5	100.2
May	185.2	263.1	148.5
June	123.4	234,6	180.4
July	93.6	168.2	167.5
August	69,0	106.4	119.1
September	52.3	69,3	7 3,7
October	55.4	47.6	62.9

a/ Average of year = 100.

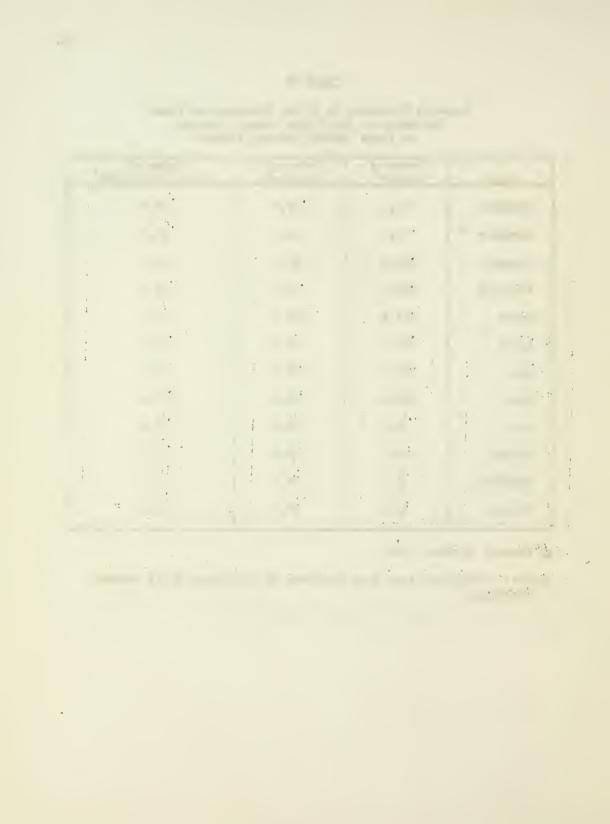


TABLE 18

California-Arizona Lemon Picks, by Months,
1935-36 Through 1949-50

	Novem-	Decem-	Janu-	Feb-	1					Au-	Sep-	Octo-
Year	ber	ber	ary	ruary	March	April	May	June	July	gust	tember	ber
		standard carsa/										
1935-36	633	925	1,397	1,140	3,054	2,151	1,234	1,198	1,203	1,117	873	935
1936-37	1,287	977	956	2,086	2,988	2,819	1,247	1,310	964	629	585	355
1937-38	758	1,199	1,724	1,552	3,407	2,720	1,885	1,676	1,621	1,340	1,269	1,155
1938-39	1,425	1,370	2,093	2,531	4,416	4,275	2,650	1,772	1,076	882	556	632
1939-40	836	1,207	1,911	3,298	5,323	3,499	2,029	1,530	1,497	1,556	1,556	1,121
1940-41	1,445	1,173	3,087	2,821	5,924	6,375	5,715	3,045	2,060	1,989	1,415	994
1941-42	1,297	1,136	3,718	4,212	4,601	3,667	2,699	1,964	1,810	1,142	1,076	1,440
1942-43	1,394	1,617	2,387	3,359	4,034	7,845	5,363	3,727	2,944	1,763	1,333	1,531
1943-44	1,519	1,277	2,964	1,955	5,073	4,149	3,195	2,232	1,647	1,198	642	807
1944-45	1,649	2,270	2,757	2,551	3,621	5,776	4,657	2,292	1,692	1,320	884	1,025
1945-46	1,935	1,574	3,305	4,044	5,433	6,032	6,031	2,894	1,786	1,138	526	681
1946-47	990	1,700	2,771	3,002	5,012	5,674	4,950	3,211	2,108	1,450	1,021	1,671
1947-48	1,360	1,305	2,543	2,677	3,462	6,879	4,847	3,009	2,326	942	802	883
1948-49	1,285	1,195	934	1,628	3,124	4,035	3,349	3,438	1,698	1,380	696	862
1949-50	669	985	1,153	1,260	4,362	4,174	3,727	4,405	2,156	1,543	1,256	1,321

a/ 406 boxes = 1 car.

Source: California Fruit Growers Exchange.

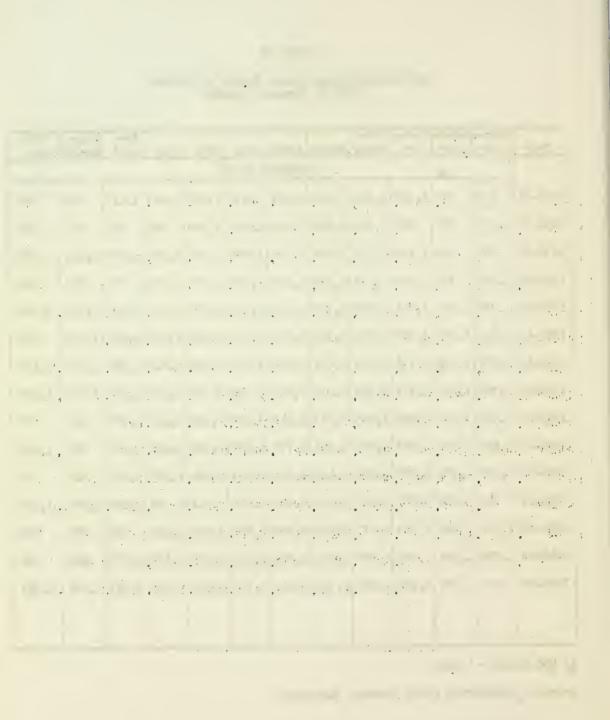


TABLE 19

Seasonal Variation in California Lemon Picks,
by Producing Districts, Average of
Period 1940-41 Through 1949-50

		Ind	exa/	
Month	Los Angeles districtb	Ventura-Santa Barbara district <u>b</u> /	San Diego districtb/	Northern California districtb/
November	5.1	3.1	4.0	15.4
December	6.0	3.2	5.0	21.3
January	10.2	7.0	9.8	27.5
February	9.2	7.5	11.4	18.7
March	16.3	11.4	17.3	9.6
April	20.3	16.9	17.1	<u>c</u> /
May	14.9	14.9		<u>c</u> /
June	6.6	12.0	8.6	<u>c</u> /
July	4.0	9.3	5.7	<u>c</u> /
August	2.7	6.2	3,6	<u>c</u> /
September	1,4	4.4	2.8	<u>c</u> /
October	3,3	4.3	2.7	1.5

a/ Average of the year = 100.

b/ Los Angeles district includes: Los Angeles, Orange, Riverside, and San Bernardino counties. Ventura-Santa Barbara district includes Ventura and Santa Barbara counties. San Diego district includes only San Diego County. Northern California district includes Tulare and Butte counties.

c/ Little fruit picked during these months. Picks, when made, are small and vary greatly from year to year.

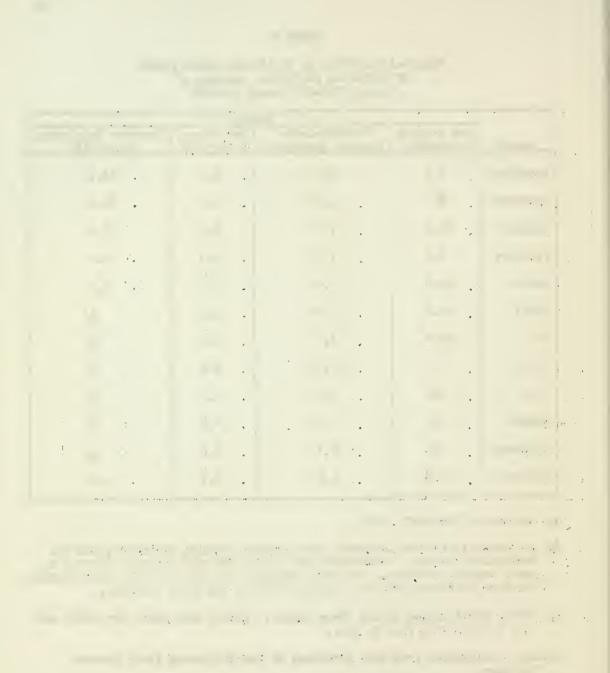


TABLE 20

Percentage of Total California Lemon Picks from Each Producing District, by Months, Average of Pericd 1940-41 Through 1949-50

Month	Ios Angeles district	Ventura- Santa Barbara district	San Diego district	Northern California district	State per cent of year's total
November December January February March April May June July August September October	54.1 53.0 50.8 49.3 46.6 47.7 42.5 27.2 25.7 19.2 18.7 36.7	35.4 32.8 35.1 35.6 42.2 44.3 51.1 65.1 66.8 74.4 74.1 55.2	7.1 9.8 10.4 12.7 10.4 8.0 6.4 7.1 7.5 6.4 7.5 6.4	3.4 4.4 3.7 2.4 0.8	4.2 4.5 8.7 8.4 14.2 18.7 14.6 9.9 6.4 4.0 3.4
Year	41.9	48.6	8.5	1.0	100.0

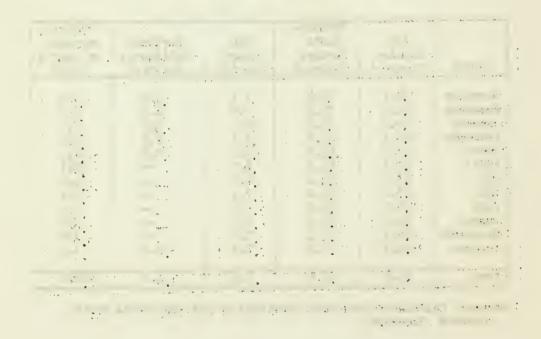


TABLE 21

California Lemon Storage as of November 1, 1919-1950,
November 1 Storage and Per Cent Storage Was of
Previous Season's Production

		Per cent of
	November 1	previous year's
Year	storage	production
	000 packed boxes	
1919	340	
1920	357	7.9
1921	204	3.6
1922	284	6.5
1923	303	8.0
1924	215	3.3
1925	817	16.0
1926	783	10.7
1927	267	3.9
1928	264	4.9
1929	701	9.2
1929	866	14.2
1930	3h6	4.4
1931	562	
		7.3
1933	731	10.9
1934	444	6.1
1935	370	3.4
1936	307	3.9
1937	515	6.8
1938	809	8.7
1939	1,114	10.0
1940	1,285	10.7
1941	814	4.7
1942	726	6.2
1943	531	3.6
1944	439	1,0
1945	355	2.8
1946	337	2.3
1947	742	5.4
1948	599	4.6
1949	281	2.8
1950	1,223	10.6
	-,,	1000
Average:		
3200		
1919-1950	561	
1919-1934	470	
1935-1950	653	
1	0,0	
	U	
<u> </u>	L	

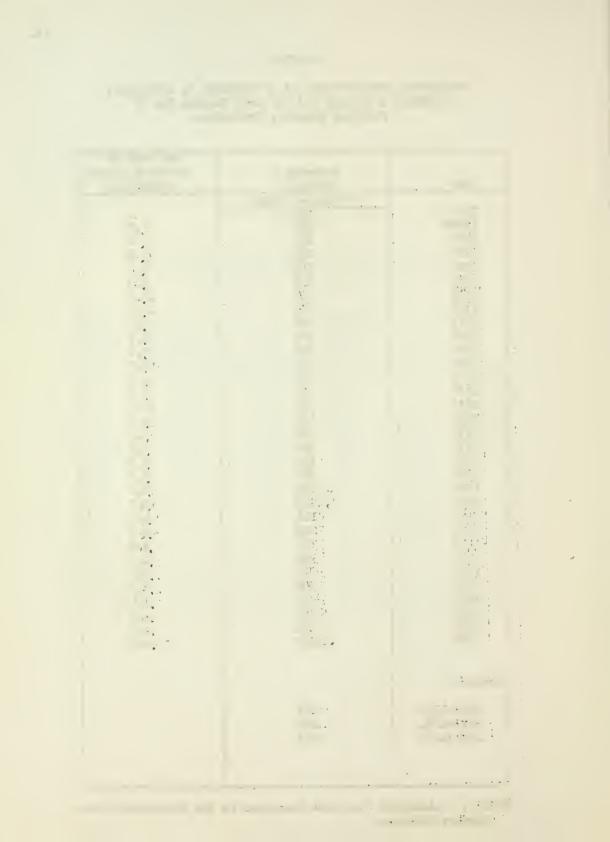


TABLE 22
California-Arizona Lemon Storage, by Months,
1935-36 Through 1949-50

1	Novem-	II)ccom-	Long	Fob	T	r	·			Au-	Sep-	Octo-
Year	ber	ber			March	April	May	June	July	1	tember	
1001	1 301		ary	1 day			d carsa/		0 41.5	1 Babo	veniber	DCI
ĺ		Γ					J Gara_/			1	· · · · ·	
1935-36	331	362	523	967	1,994	3,632	4,243	3,118	1,892	1,003	676	496
1936-37	565	1,039	1,020	1,139	2,516	4,156	4,823	3,685	2,471	1,452	761	452
1937-38	259	508	1,149	1,756	2,878	5,522	6,118	5,432	4,059.	2,949	2,353	2,180
1938-39	1,888	2,020	2,289	2,928	4,731	6,902	8,085	7,067	4,674	2,829	1,696	968
1939-40	649	689	818	3,053	7,291	9,102	9,072	7,405	6,048	4,296	3,722	3,410
1940-41	2,497	2,451	2,475	3,652	5,203	8,410	11,040	9,551	5,993	3,522	2,875	2,454
1941-42	1,627	1,332	1,546	3, 593	5,653	7,682	7,855	6,670	5,324	3,691	2,613	1,702
1942-43	1,205	1,267	1,823	2,268	3 ,33 3	6,283	9,685	9,245	7,056	4,215	2,578.	1,764
1943-44	1,135	1,101	1,208	2,035	3,475	5,924	6,670	5,955	3,722	1,495	772	422
1944-45	572	1,233	1,864	2,698	3,520	6,052	8,257	7,089	4,983	3,457	2,160	1,097
1945-46	942	927	1,795	3,729.	5,911	7,755	10,162	9,077.	6,420	4,068	2,345	1,080
1946-47	649	821	1,793	3,199	2,189	7,381	9,535	8,791	6,953	4,565	2,762	1,957
1947-48	1,654	1,382	1,768	2,338	3,880	6,775	9,811	9,314	7,302	5,507.	3,509	1,821
1948-49	1,233	1,013	637	692	974	3,033	4,594	4,420	3,322	2,078	1,175	751
1949-50	491	408	591	712	1,820	4,693	6,496	6,640	5,837	4,902	3,776	3,138

a/ 406 packed boxes = 1 car.

Source: California Fruit Growers Exchange Statistical Information on the Citrus Industry.



TABLE 23

California-Arizona Fresh Lemon Shipments, by Months,
1935-36 Through 1949-50

i	Novem-		Janu-								Sep-	Octo-
Year	ber	ber	ary	ruary		April		/	July	gust	tember	ber
		,			s.	tandaro	cars	1/	,			,
1935-36	641	870	851	856	1,179	1,23h	2,235	2,362	2,367	1,431	1,065	905
1936-37	840	818	1,002	819	1,146	1,330	1,963	2,417	1,976	1,295	894	608
1937-38	548	847	796	703	1,092	1,268	2,227	2,525	2,218	1,928	1,180	948
1938-39	729	1,009	938	930	1,381	1,435	2,420	3,033	2,693	1,965	1,103	739
1939-40	870	943	1,049	1,283	1,096	1,556	2,270	2,693	2,274	1,857	770	1,013
1940-41	1,032	850	1,460	964	1,262	1,747	2,856	2,971	2,895	2,230	1,018	1,185
1941-42	914	1,030	1,267	1,074	1,452	1,750	2,825	2,717	2,264	1,786	1,413	1,176
1942-43	950	1,187	1,312	1,231	1,778	1,772	2,517	3,279	3,907	3,102	1,533	1,113
1943-44	1,171	1,318	1,904	1,390	1,573	1,765	2,665	3,463	3,719	2,484	999	907
1944-45	1,014	1,909	1,633	1,327	1,744	2,280	2,730	3,368	2,809	1,806	1,594	1,417
1945-46	1,273	1,455	1,796	1,268	1,697	2,033	2,410	3,362	2,932	1,740	1,359	1,224
1946-47	933	1,466	1,247	1,101	1,606	1,771	2,306	3,213	3,216	2,814	1,765	1,158
1947-48	1,148	1,087	1,246	1,152	1,312	1,726	2,407	3,286	3,206	1,648	1,573	1,121
1948-49	1,141	975	1,055	1,153	1,235	1,600	2,514	3,134	2,907	1,888	937	1,046
1949-50	749	755	1,080	1,011	1,355	1,485	2,489	3,103	2,567	1,351	1,274	968

a/ 406 packed boxes = 1 car.

Source: California Fruit Grewers Exchange, Statistical Information on the Citrus Industry.

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TABLE 24
Seasonal Variation in California Fresh Lemon
Shipments, by Producing Districts,
Average 1940-41 Through
1949-50

		Indexa	7	
Month	Los Angeles district	Ventura- Santa Barbara district	San Diego district	Northern California district
November	48	46	31	83
December	69	49	45	237
January	74	47	64	317
February	64	45	62	170
March	75	60	90	109
April	85	73	103	50
May	130	104	132	
June	157	152	158	
July	1111	162	140	
August	77	109	93	٠
September	44	83	51	
October	36	70	31	20

a/ Average of the year = 100.

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TABLE 25

Percentage of Total California Shipments of Lemons for Fresh Consumption, from Each Producing District, by Months, Average of Period

1940-41 Through 1949-50

	I	Percentage of sta	ate total	
Month	Los Angeles district	Ventura- Santa Barbara district	San Diego district	Northern California district
November	44.8	49.4	3.8	2.0
December	51.6	39.5	5.0	3•.9
January	1 118.5	37.1	9.2	5.2
February	44.4	42.0	10.0	3.6
March	44.4	43.6	10.4	1.6
April	45.7	43. 2	10.3	0.8
May	45.0	46.0	9.0	
June	42.6	49.5	7.9	
July	38.3	54.2	7.5	
August	32.6	59.7	7.7	
September	32.0	61.8.	6.2	
October	28.4	66.6	4.7	0.3
Year	41.3	49.8	7.9	1.0

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TABLE 26
United States Duty on Fresh
Lemons, 1897-1950

Tariff Act	Duty in cents per pound
1897	1.0
1909	1.5
1913	0.5 <u>a</u> /
1922	2.0
1930	2:5
1950	1.25 <u>b</u> /
Ĺ	

- a/ The actual rate was 35 cents per box which was approximately equivalent to 0.5 cents per pound.
- b/ The United States reserves the right to increase the rate to 2½ dents per pound on lemons which are entered in any calendar year in excess of an aggregate quantity by weight equal to 5 per cent of the production of lemons in the United States during the preceding calendar year.

Source: Brief before U.S. Tariff Commission. Investigation number 1, under Section 3 of Trade Agreements Extension Act of 1948.

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TABLE 27
United States Imports of Fresh Lemons, 1907-08 Through 1949-50

Year	Imports	Year	Imports
	000 packed boxes		000 packed boxes
1907-08	2.107	1929-30	1,118
1908-09	1,901	1930-31	262
1909-10	1,934	1931-32	92
1910-11	1,837	1932-33	134
1911-12	1,695	1933-34	23
1912-13		1934-35	3
1913-14	2,335	1935-36	86
	2,975		i .
1914-15	1,699	1936-37	34
1915-16	1,477	1937-38	46
1916-17	1,137	1938-39	a/ a/ a/ a/ a/ a/ 7
1917-18	1,074	1939-40	a/,
1918-19	825	1940-41	a/,
1919-20	1,526	1941-42	a/,
1920-21	779	1942-43	<u>a./,</u>
1921-22	1,373	1943-44	a/
1922-23	1,660	1944-45	a/,
1923-24	1,018	1945-46	a/
1924-25	1,264	1946-47	
1925-26	1,247	1947-48	62
1926-27	659	1948-49	162
1927-28	1,308	1949-50	183
1928-29	391		

a/ Amount imported negligible.

Sources:

1907-08 through 1920-21: U.S. Dept. of Commerce. Foreign Commerce of the United States, year ending September 50.

1921-22 through 1947-48: U.S. Dept. of Agriculture. Agricultural Statistics.

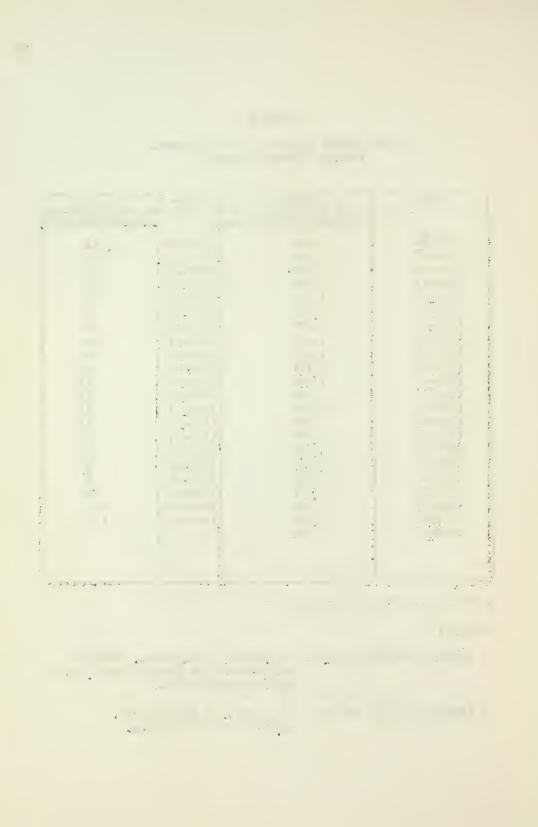


TABLE 28

Seasonal Variation in Imports of
Fresh Lemons into the United States,
Average of Period 1921-22 Through 1929-30

Month	Index <u>a</u> /
November	25.3
December	49.7
January	50.7
February	51.0
March	79.9
April	110.1
May	178.7
June	300.3
July	199.2
August	68.9
September	61.7
October	24.5

a/ Average of the year = 100.

Source: U.S. Bur. of Foreign and Domestic Commerce, Foreign Commerce of the United State.

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TABLE 29
United States Imports of Processed Lemon Products,
1918 Through 1950

	Imports						
		1	Imports Lemon	neal	Lemon	juice	
			Demon	PCCI	Concen-	Uncon-	
Year	Lemon oil	Citric acid	Crude	Candied	trated	centrated	
		pound	5		gal	gallons	
1918	587,969	332,269					
1919	607,286	1,224,591					
1920	750,785	1,317,467					
1921	617,634	922,737					
1922	689,520	1,325,366					
1923	416,232	757,864			•		
1924	439,181	673,114	631,171	323,414			
1925	488,236	687,010	670 666	T90 191	1		
1926 1927	497,817 403,735	137,984	679,656 570,695	589,484 566,096	1		
1928	452,995	1,338	546,491	784,258			
1929	364,360	1,000	644,454	905,948			
1930	624,023		643,185	621,290	24	1,506	
1931	379,574	90,850	695,541	482,060	9	591	
1932	215,607	134,521	577,530	501,553	0	823	
1933	242,242	9,784	1,175,703	450,851	0	20	
1934	192,628	5,275	951,483	242,865	0	527	
1935	131,043	575	1,034,266	155,040	0	156	
1936	148,052	140	1,059,038	170,045	0	1,520	
1937 1938	88,619 96,861	866 11 1	882,717 596,073	143,731 146,145	0	796 197	
1939	149,418	15	1,142,953	102,806	ő	190	
1940	86,489	Opens	1,265,083	51,948	ő	1,942	
1941	18,853	110	21,670	6,540	Ö	309	
1942	4,081	pr1986	2,074	0	0	813	
1943	600	8,345	2,267	58	2,344	609	
1944	117,872		19,828	150	0	0	
1945	88,000	17,000	13,000	0	0	0	
1946	71,000	0	182,000	0	0	0	
1947 1948	51,000 242,000	0 10	681,000 50,000	1,000 24,000	81 2 , 262	0 20	
1949	154,000	0	200,000	3,000	386,741	2,303	
1950	209,000	11,000	587,000	3,000	733,652	2,686	
	, , ,			2,000		-, 300	

Source: U.S. Pur. of Foreign and Domestic Commerce, Foreign Commerce and Navigation of the United States; annual reports 1918-1946, U.S. Dept. of Commerce Report No. FT110, Calendar Year Summaries 1947-1950.

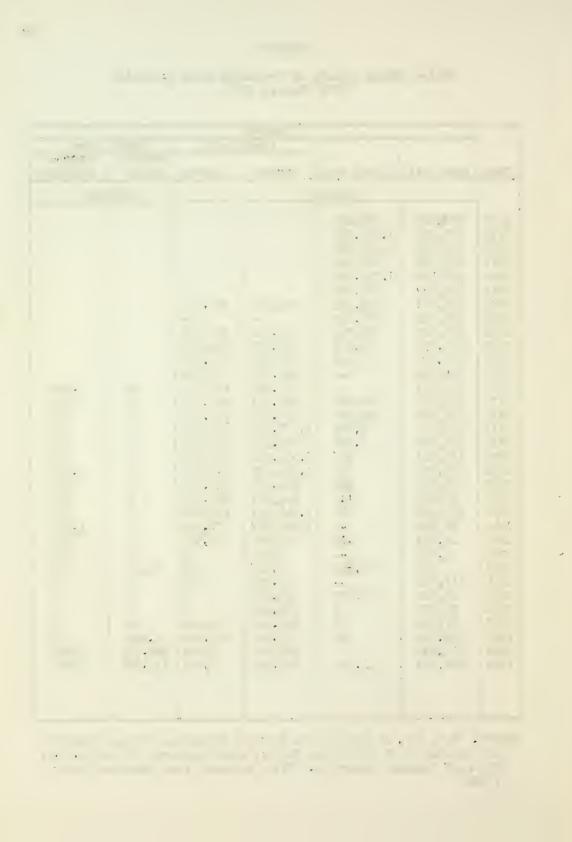


TABLE 30
United States Exports of Fresh Lemons, 1919-20 Through 1949-50

			cent of ex-	Per cent of
		ports going to		total U. S.
Year	Export	Canada	Other countries	fresh shipments
	000 packed boxes			
1919-20	294			7.4
1920-21	313			6.1
1921-22	193			4.6
1922-23	165			4.7
1923-24	241	81.3	18.7	4.5
1924-25	155	79.4	20.6	3.3
1925-26	270	82.2	17.8	5.1
1926-27	340	76.8	23.2	6.6
1927-28	224	71.4	28.6	4.7
1928-29	300	76.7	23.3	5.3
1929-30	178	68.5	31.5	3.5
1930-31	268	78.7	21.3	4.4
1931-32	233	81.1	18.9	4.3
1932-33	158	75.9	24.1	2.9
1933-34	230	78.3	21.7	3.6
1934-35	546	62.5	37.5	7.5
1935-36	634	46.8	53.2	8.6
1936-37	256	83.6	16.4	3.9
1937-38	720	48.5	51.5	9.8
1938-39	831	52.1	47.9	10.4
1939-40	470	93.4	6.6	6.0
1940-41	516	93.6	6.4	5.6
1941-42	500	96.8	3.2	6.2
1942-43	484	98.1	1.9	5.0
1943-44	487	97.3	2.7	5.1
1944-45	570	97.0	3.0	6.0
1945-46	580	90.5	9.5	6.3
1946-47	480	90.3	9.7	5.2
1947-48	160	84.6	15.4	1.8
1948-49	130	85.8	14.2	1.7
1949-50	489	49.7	50.3	6.6
Amonage:				۲۱.
Average:				5.4

Source: California Fruit Growers Exchange.

. 7 4 W 1 -4 . . . 4 . . . 5.4

TABLE 31

Average Size of California Lemons Sold as Fresh Fruit,
1925-26 Through 1949-50

Year	Number of lemons per packed box	Year	Number of lemons per packed box
1925-26 1926-27 1927-28 1928-29 1929-30 1930-31 1931-32 1932-33 1933-34 1934-35 1935-36 1936-37 1937-38 1938-39	325 329 346 388 353 349 355 364 373 358 372 377 358 366	1939-40 1940-41 1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49 1949-50	360 360 351 356 341 342 349 352 355 376 361

Source: California Fruit Growers Exchange.



TABLE 32
Size Distribution of California
Fresh Lemons, 1937-38
Through 1949-50

	Per cent each size was of total shipped									
Year	Size 180	Size 210	Size 252	Size 300	Size 360	Size 432	Size 490	Size 588	Average size	
1937-38	0.1	0.6	3.4 <u>a</u> /	32.1	36.6	14.3 <u>b</u> /	5.1	4.10/	357.9	
1938-39	0.1	0.8	4.5	27.5	39.4	17.5 <u>b</u> /	6.6	3.6c/	366.0	
1939-40	0.1	0.9	5.1	30.0	39.6	15.4	5.8	3.10/	360.4	
1940-41	0.1	1.7	9.8	30.7	34.9	15,1	5.6	2.10/	351.2	
1941-42	0.1	1.8	8.9	28.7	35.2	16.4	6.8	2.1	355.8	
1942-43	0.7	5.1	15.9	25.6	29.2	16.0	6.0	1,5	341.4	
1943-44	0.7	3.7	12.9	25.2	31.0	16.4	7.3	2.8	351.8	
1944-45	1.0	3.9	13.9	27.3	31,6	15.2	5.9	1.2	342.3	
1945-46	0.4	2.5	10.7	25.9	37.0	18.1	5.1	0.3	348.8	
1946-47	0.3	1.8	9.0	26.7	38.0	18.1	5.8	0.3	351.7	
1947-48	0.3	2.2	9•7	24.9	36.6	19.2	6.9	0.2	354.7	
1948-49	0.3	1.4	7.0	21.6	33.6	20.5	11.5	4.1	376.0	
1949-50	0.2	1.3	7.4	26.9	37.1	17.1	7.8	2.2	361.4	

a/ Size 240.

Source: California Fruit Growers Exchange.

b/ Includes size 442.

c/ Includes size 540, also 1937-38 includes 0.3 per cent smaller than 588, and 1938-39, 0.1 per cent smaller.

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TABLE 33

Seasonal Variation in California F. O. B. Prices of Fresh Lemons, Average of Period 1919-20 Through 1942-43

Month	Price index2/
_ November December January February March April May June July August September October	89.7 97.9 92.7 88.0 84.0 87.5 105.1 110.6 119.0 113.6 113.1 98.8

a/ Average of year = 100.

Source: Calculated from data furnished by California Fruit Growers Exchange.

TABLE 34

F. O. B. Prices of California Lemons, Averages by 5-year Periods for Summer and Winter Fresh Shipments, 1919-20 Through 1948-49, and Difference Between Summer and Winter Price

Period	Average winter price	Average	Difference between summer and winter price
161.100	wrucer price	summer price	and winter brice
		dollars per box	
1920-24 1925-29 1930-34 1935-39 1940-44 1945-49	3.08 3.70 3.45 3.33 3.56 5.11	3.97 4.74 4.42 3.93 4.07 5.57	.89 1.04 .97 .60 .51 .46

Source: California Fruit Growers Exchange.

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TABLE 35

Average F.O.B. Prices of Fresh Shipments of California Lemons, Price Per Packed Box, 1919-20 Through 1949-50

	Winter price	Summer price
Year	(November-April)	(May-October)
	dolla	
1919-20	3.28	2.43
1920-21	2.05	5,11
1921-22	3.48	4.22
1922-23	4.20	5.05
1923-24	2.38	3.02
1924-25	3.87	5.01
1925-26	3.33	3,28
1926-27	2.78	4.98
1927-28	4.88	4.95
1928-29	3.63	5.46
1929-30	5.05	5.26
1930-31		4.63
	3.16	
1931-32	2.55	4.54
1932-33	3.18	3.68
1933-34	3.30	3.97
1934-35	2.26	3.52
1935-36	4.00	4.75
1936-37	4.13	5.08
1937-38	3.65	2.99
1938-39	2.63	3.31
1939-40	3.06	3.18
1940-41	2.49	3.32
1941-42	3.32	3.42
1942-43	4.43	4.96
1943-44	4.52	5.49
1944-45	4.67	4.76
1945-46	4.70	4.19
1946-47	4.89	5.66
1947-48	4.78	5.89
1948-49	6.49	7.34
1949-50	6.85	5.55
1747-50	0.09	J• 99
	<u> </u>	

Source: California Fruit Growers Exchange.

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TABLE 36

Average Monthly F.O.B. Prices of California Lemons for Fresh Consumption, 1919-20 Through 1949-50 Domestic Shipments Only

r		Marron	Deam	1 Tames	T-1		,				A	Cam	Octo-
	Year	ber	Decem-	arv	Feb-	Manch	Annil	Mosr	Tuno			Sep- tember	ber
ŀ	rear	Del	Der	ary			per p			Duly	gusu	ocinber.	mer.
ı			· · · · · ·		- 40	JII S	per p	acked	DOR	1			1
	1919-20	2.32	2.43	4.27	3.86	2.79	3.04	3.05	2.27	2.20	2.10	2.49	2.12
-	1920-21	1.64	1.92	2.24	2.02	1.96		4.60			3.78		2.81
ł	1921-22	2.61	2.77	4.00	3.55	3.61		4.83				6.22	6.67
i	1922-23	5.42	4.63	4.03	4.40	3.43		4.96				4.28	2.61
1	1923-24	2.38	2.10	2.02	2.23	2.36		2.22		2.47	3.17	3.08	4.71
	1924-25	4.45	3.42	3.78	3.83	3.45		5.60			4.81	6.67	4.25
ı	1925-26	3.14	3.08	2.87	3.40	3.71	3.38	3.82	3.00		2.68	2.92	2.73
1	1926-27	2.75	2.96	2.64	2.61	2.87	2.80	3.48	4.21		5.51	7.68	6.51
	1927-28	6.31	5.10	5.65	4.71	4.06	4.56	5.78	4.87	5.05		3.87	4.07
	1928-29	3.89	5.01	3.47	3.04	3.16		3.51		5.49		8.91	8.76
	1929-30	7.70	6.25	4.55	3.90		4.98	5.57				3.78	3.10
	1930-31	3.18	3.28	3.39	3.14	3.06		3.33				6.49	3.59
l	1931-32	2.67	2.73	2.57	2.68	2.41	2.39	3.52				7.14	6.20
	1932-33	3.65	4.24	2.77	2.73	2.81		4.27	4.09	.3.09		3.60	3.26
	1933-34	2.91	3.62	.3.31	3.46			4.42			3.24	2.99	3.35
l	1934-35	3.02	2.87	2.25	1.93	1.98	1.98	1.93		4.00	3.94		4.37
	1935 - 36 1936 - 37	4.77	4.73	3.59	3.77	3.75			4.78				3.65
	1937-38	5.82	3.30	4.98	4.44		4.48		5.22	4.90	5.29	14.88	2.21
	1938-39	2.47	2.63	2.54	2.85		2.26	2.93				2.96	3.20
l	1939-40	3.91	3.33	3.15	2.76		2.60			4.01		2.49	2.35
I	1940-41	2.37	2.47	2.81	2.14	2.26		2 08	3.50	3.61	2.87	2.95	2.34
l	1941-42	2.67	3.63	3.25	3.21	2.99		3.10				4.08	3.47
1	1942-43	4.08	4.40	4.30	4.51	4.42		4.72				4.39	4.20
	1943-44	4.60	4.77	4.74	4.21	1.16	4.63	5.62		5.58	5.11	5.30	5.44
	1944-45	5.11	5.02	3.94	4.11	4.57	5.14	4.84			4.58		5.25
	1945-46	5.61	.5.78	4.71	4.30	4.30			4.47				5.37
	1946-47	6.68	5.59	4.16	5.13	4.91				5.53	8.03		5.45
	1947-48	4.73	4.47	4.60	4.75	4.51	5.37	5.76		4.86	6.17		5.69
	1948-49	5.91	5.93	7.73	6.69	6.66			8.39	6.73	5.91	6.41	7.85
	1949-50	8.86	12.19	7.61	6.06	4.80	5.32	6.68	6.48	4.54	4.71	4.56 <u>a</u> /	4.44a/
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a/ Preliminary.

Source: California Fruit Growers Exchange.

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TABLE 37

"On-Tree" Prices of California Lemons for Fresh Consumption, 1919-20 through 1949-50

Year	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
			y. 20000000 (10000000		dolla	rs per	packe	d box				
1919-20	. 65	.75	2.45	2.10	1.10	1.35	1.35	.60	•50	.44	.75	.41
1920-21	.06	.33	.65	.43	.37	.60	2.90	4.85	3.85	2.10	2.35	1.20
1921-22	1.00	1.15	2.30	1.85	1.95	2.05	3.05	1.95	1.55	2.85	4.35	4.75
1922-23	3.60	2.85	2.30	2.65	1.75	2.30	3.20	4.55	4.10	4.20	2.55	.95
1923-24	.75	•50	.42	.60	.75	1.10	.60	.90	.85	1.50	1.40	2.95
1924-25	2.75	1.80	2.15	2.20	1.85	2.60	3.85	3.25	2.20	3.10	4.80	2.55
1925-26	1.55	1.50	1.35	1.75	2.15	1.85	2.30	1.50	2.15	1.15	1.35	1.20
1926-27 1927-28	1.20	1.40	1.10	1.10	1.35	1.25	1.90	2.60	4.20	3.80	5.90	4.80
1928-29	4.50 2.35	3.40	3.90	3.10	2.45	2.95	4.10	3.25	3.40	5.35	2.25	2.40 6.80
1929-30	5.75	3.40	2.95	1.50 2.25	1.65	1.65	3.90		3.85	3.75	2.20	1.55
1930-31	1.65	4.45	1.85	1.60	2.50	3.30	1.80	3.15	4.85	3.20	4.65	2.05
1931-32	1.15	1.20	1.05	1.15	.90	.90	1.95	1.50	3.25	4.50	5.20	4.25
1932-33	2.30	2.80	1.45	1.35	1.45	1.45	2.90	2.70	1.75	1.45	2.20	1.85
1933-34	1.65	2.35	2.05	2.20	2.00	2.00	3.15	3.10	2.85	1.95	1.70	2.05
1934-35	1.65	1.50	.95	.60	.65	.65	.65	1.35	3.25	2.55	2.15	2.90
1935-36	3.15	3.20	2.10	2.20	2.20	2.25	3.30	3.30	4.10	2.85	2.15	2.05
1936-37	1.35	1.55	3.20	2.75	2.60	2.75	3.25	3.55	3.30	3.60	3.25	3.90
1937-38	4.50	2.71	1.84	1.81	1.80	1.49	1.59	1.66	1.51	1.72	94	92
1938-39	1.18	1.30	1.21	1.52	1.13	92	1.58	1.61	1.70	1.78	2.21	1.98
1939-40	2.68	1.97	1.79	1.39	1.07	1.22	1.41	1.62	2.66	1.52	1.21	1.08
1940-41	1.04	1.14	1.47	.81	.90	.99	1.61	2.05	2.18	1.46	1.64	1.50
1941-42	1.14	2.09	1.70	1.66	1.43	1.82	1.52	1.17	1.93	1.89	2.43	1.88
1942-43	2.29	2.58	2.49	2.69	2.60	2.25	2.93	3.47	3.45	2.75	1.88	2.44
1943-44	2.63	2.77	2.75	2.22	2.16	2.64	3,69	3.66	3.56	3.17	3.40	2.96
1944-45	2.98	2.89	1.82	1.98	2.43	3.01	2,69	2.97	1.55	2.47	3.36	3.11
1945-46	3.26	3.61	2.53	2.12	2.13	1.94	1.69	2.30	1.39	1.33	3.02	3.19
1946-47	4.37	3.31	1.86	2.82	2.61	1.53	1.62	3.26	3.21	5.68	3.18	2.05
1947-48	2.27	2.01	2.13	2.28	2.05	2.90	3.28	3.90	2.37	3.70	4.49	3.22
1948-49	4.14	2.32	5.54	5.18	3.76	3.62	5.47	5.22	4.79	3.82	2.84	6.04
1949-50	5.47	8.98	8.47	2.78	2.05	2.30	3.37	3.37	4.77	2.86	1.33	3.05

Source: U. S. Bur. of Agricultural Economics, Prices, Fruit and Nut Crops.

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TABLE 38

Estimated Costs of Producing California Lemons,
Average by Periods 1923 Through 1950

Cost item	1923-1930	1931-1939	1940-1943	1944-1948	1949	1950
			dollar	5		
lverage cost per acre:						
Fertilizer	49.16	31.01	26.74	55.45	45.31	
Water	31.47	29.68	20.22	32.47	35.76	
Pest control	26.78	33.23	31.98	82.50	69.60	
Frost protection	12.87	14.77ª/	8.22	32.40	104.66	
Cultivating and irrigating	63.64	43.78	32.63	51.91	56.62	
Pruning and tree care	16.82	14.38	16.93	31.43	33.57	
Other materials	1.62	. 40	3.19	5.33	6.61	
Other labor	3.01	4.34	9.01	26.54	24.34	
General expenseb/	22.81	22.38	17.52	22.73	38,98	
Taxes	21.55	19.83	18.59	27.68	34.01	
Insurance	1.32	1.74	1.55	4.08	4.00	
Maintenance and repairs	8.42	6.76	4.97	8.92	14.57	
Depreciation, buildings,						
and equipment	17.92	16.16	16.37	16.40	16.98	
Total cost per acrec	277.39	238.46	207.92		428.40	
Average cost per packed box:						
Cultural	1.63	1.27	1.01	1.22	1.94	
Picking	40	.32	36	.59	.68	
Hauling	.06	05	.05	.07	.07	
Cost at packing house door	2.09	1.64	1.42	1.88	2.69	
oos at packing nouse door	2.03	T.O.T	1026	1.00	2,00	

a/ 1937 omitted from average (bad freeze).

Source: California Citrus League.

b/ Includes administrative and superintendence expenses.

c/ The average cost shown for each individual cultural operation represents the cost reported only by growers who performed that particular operation and does not represent the average per acre cost for all growers including those who did not perform the particular operation.

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TABLE 39

Estimated Cultural Cost, Per Acre, California
Lemons, 1923 Through 1950

	Cultural		Cultural
	cost		cost
Year	per acre	Year	per acre
	dollars		dollars
1923	304.12	1937	321.79 <u>a</u> /
1924	253.93	1938	244.81
1925	272.44	1939	234.72
1926	256.67	1940	225.45
1927	248.44	1941	185.82
1928	280.90	1942	200.53
1929	293.75	1943	219.41
1930	308.72	1944	265.81
1931	278.05	1945	296.45
1932	242.87	1946	334.04
1933	207.41	1947	354.59
1934	224.03	1948	359.48
1935	215.93	1949	428.40 <u>a</u> /
1936	2կկ.13	1950	

a/ Bad freeze this year.

Source: California Citrus League, annual reports 1923-1950.

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TABLE 40

Estimated Cost Per Packed Box of Producing and Marketing California Lemons, 1924-25
Through 1949-50

									Total
						Sell-			cost
1				Cost at		ing	Trans-	Total	produc-
	Cul-			packing		and	portation	mar-	ing and
	tural	Pick-	Haul-	house	Pack-		to	keting	market-
Year	cost	ing	ing	door	ing	tising	blanket	cost	ing
					dollar	3			·
1924-25	1.64	.40	.06	2.10	.93	.16	1.31	2.86	4.50
1925-26	1.33	.41	.06	1.80	.88	14	1.31	2.80	4.13
1926-27	1.39	.34	.06	1.79	.90	.15	1.31	2.76	4.15
1927-28	1.73	.39	.06	2.13	.85	.19	1.31	2.80	4.53
1928-29	1.49	39	.06	1.89	.85	.16	1.31	2.77	4.26
1929-30	1.85	.37	.06	2.28	.85	.19	1.31	2.78	4.63
1930-31	1.38	. 38	-05	1.82	.84	.17	1.31	2.76	4.14
1931-32	1.40	• 34	.05	1.79	.83	.18	1.32	2.72	4.12
1932-33	1.18	.29	.05	1.52	.75	.17	1.29	2.55	3.73
1933-34	1.10	.30	.05	1.45	.73	.17	1,25	2.50	3.60
1934-35	.91	.27	.05	1.23	.78	.16	1.25	2.51	3.42
1935-36	1.26	. 31	.05	1.62	•77	.17	1.25	2.55	3.81
1936-37	1.69	. 34	.05	2.08	.85	.18	1.18	2.60	4.29
1937-38	1.30	. 35	.05	1.65	.80	.16	1.22	2.58	3.88
1938-39	1.21	• 32	.05	1.58	.81	.18	1.24	2.60	3.81
1939-40	1.36	.31	.05	1.72	.80	.17	1.24	2.57	3.93
1940-41	.81	. 30	.04	1.15	.85	.18	1.24	2.61	3.42
1941-42	1.14	• 35	.05	1.54	1.01	.18	1.26	2.85	3.99
1942-43	.72	•49	•06	1.27	1.11	.19	1.28	3.13	3.85
1943-44	1.14	•55	.06	1.75	1.20	•20	1.26	3.27	4.41
1944-45	1.13	.60	.07	1.80	1.24	•20	1.31	3.42	4.55
1945-46	1.17	• 57	.06	1.80	1.32	•23	1.32	3.50	4.67
1946-47	1.35	.60	.07	2.02	1.41	. 24	1.41	3.73	5.08
1947-48	1.33	.64	.07	2.04	1.53	.25	1.60	4.09	5.42
1948-49	1.94	.68	.07	2.69	1.68	.27	1.66	4.36	6.30
1949-50	1.90	.68	.07	2.65	1.70	•29	1.55	4.29	6.19

Source: California Citrus League and California Fruit Growers Exchange.
Annual reports 1924-25 through 1949-50.

THE TALL WITH THE TENT OF THE TOTAL TOTAL TOTAL TOTAL TOTAL THE TO

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	1932		28.70 32.16 29.02	15.08 23.36 .30 4.56	7.35 22.21 1.32 5.23	16.83 7.39 3.94	242.87 173.8 1.379	1.209 .335 .054 .820	691.	2.775	ct page.)
	1931		43.47 35.15 27.83	54.97 13.70 14.56 4.52	15.03 24.12 1.93 9.23	19.27 7.91 5.72	278.05 202.0 1.376	1.25 ⁴ .375 .056 .823	.163	2.793	(Continued on next page.)
ugh 1950	1930		56.62 36.71 34.65	63.94 19.99 11.95 1.05 3.02	13.58 23.20 1.84 9.56	19.71 5.70 7.20	308.72 166.5 1.854	1.278 .374 .055 .849	.188	3.320	(Contin
1923 Thro	1929		52.86 34.32 25.60	58.82 17.08 15.44 1.94 7.17	15.45 23.95 1.83 7.96	19.96 4.19 7.17	293.75 196.7 1.494	1.300 .391 .063 .846	.163	2.957	
Lemons,	1928	per acre	55.59 33.11 34.72	60.85 16.81 12.73 1.39 2.21	7.40 21.93 1.12 6.94	13.54 8.16 4.40	280.90 162.8 1.726	1.298 .391 .057 .850	.188	3.212	
alifornia	1927	dollars	41.33 28.78 23.20	56.95 14.86 10.89 1.91 2.30	20.76 20.70 .99 8.33	15.59 7.28 4.60	248.44 178.7 1.391	1.297 .337 .062 .898	641.	2.837	
oducing Ca	1926		43.30 29.19 26.02	60.01 15.35 10.48 1.69 2.95	8.43 19.73 .96 8.33	16.69 8.40 5.16	256.67 193.3 1.328	1.430 .417 .064 .949	.143	2.901	
sts of Pro	1925		45.82 30.55 22.92	71.13 16.76 14.12 .54 2.09	9.10 20.86 .91 7.04	18.67 6.53 5.43	272.44 165.8 1.643	1.390 .401 .063 .926	091.	3.193	
etailed Costs of Producing California Lemons, 1923 Through 1950	1924		37.08 30.29 18.42	67.12 14.03 13.51 .55 1.25	12.67 1.8.67 1.24 8.45	19.69 6.91 4.05	253.93 189.6 1.339	1.455 .438 .063	.142	2.936	
Estimated De	1923		60.65 28.79 28.69	70.29 19.68 13.84 3.91	7.54 23.33 1.70 10.75	19.51 3.59 8.78	304.12 136.4 2.230	1.471 .415 .056 1.00	141.	3.842	
Est			Fertilizer Water Pest control	Cultivating and Irrigating Pruning and tree care Frost protection Other materials Other labor	General expense Taxes Insurance Maintenance and repairs	Depreciation on buildings and equipment Superintendence Administration	Total: Per acre yield ^a / Per packed box	Total: Picking Hauling Packing	Selling and advertising	F.o.b. cost, including selling per packed box	

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1942		27.84 20.22 31.22	26.89 14.61 11.78 3.36 12.81	16.76 16.60 1.64 4.17	12.63	200.53 176.0 1.14	1.37 .35 .05	.18	2.69
1941		24.03 18.41 35.51	26.51 12.42 5.25 3.36 7.75	11.45 21.39 1.29 4.17	14.28	185.82 229.0 .81	1.16	.18	2.15
1940		21.69 20.85 29.54	42.44 16.10 6.07 1.10 6.96	9.24 18.72 1.54 8.27	25.41 7.96 9.56	225.45 165.5 1.362	1.121 .314 .047	.158	2.641
1939		21.32 23.22 36.84	43.07 12.32 15.72 5.56	6.91 20.90 1.92 8.39	20.81 9.93 7.28	234.72 193.8 1.211	1.150 .321 .047 .782	.168	2.529
1938	per acre	26.36 27.41 40.59	37.99 17.00 9.91 47 8.18	7.25 22.07 2.39 9.62	19.32 7.09 9.18	244.81 188.9 1.296	1.159 .346 .047	.158	2.613
1937	dollars	35.40 30.66 35.85	42.24 15.27 69.33 .30	6.37 20.71 1.95 19.95	19.40 9.71 8.58	321.79 190.3 1.691	1.202 .342 .049	.173	3.066
1936		35.40 31.77 36.66	46.65 14.18 14.68 .43 1.34	7.58 16.50 1.79 7.10	15.21 7.62 7.23	244.13 194.3 1.256	1.093 314 .047 .732	.158	2.507
1935		30.10 24.91 34.13	41.48 15.83 14.54 .24 2.71	4.86 16.62 1.19 4.50	12.05 8.39 4.38	215.93 236.8 .912	1.074 .021 .046 .757.	.156	2.142
1934		32.67 32.71 34.53	142.77 14.37 7.92 7.92 2.76	5.09 16.96 1.47 5.53	10.61 7.88 8.45	224.03 203.5 1.101	1.058 .300 .050 .708	.152	2.311
1933		25.58 29.15 23.61	39.40 11.67 17.43 3.36	6.70 18.38 1.73 4.49	11.5 ; 6.75 6.83	207.41 175.6 1.181	1.078 .290 .050 .738	071.	2.429
		Fertilizer Water Pest control	Cultivating and irrigating Pruning and tree care Frost protection Other materials	General expense Taxes Insurance Maintenance and repairs	Depreciation on bullaings and equipment Superintendence Administration	Total: Per acre yield-/ Per packed box	Total: Picking Hauling Packing	Selling and advertising	F.o.b. cost, including selling per packed box

(Continued on next page.)

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																								the cost reported only by growers who	all growers, including		
1949		45.31	69.60	56.62	33.57	6.61	24.34	38.98	34.01	8.5	14.57	16.98			428.40	1.9	2.33	.67	70.	1.59	,24		4.51	ost report	operation and does not represent the average per acre cost for all		
1948		59.28	71.56	59.84	33.41	3.12	17.16	36.11	30.28	6.38	7.24	16.27			359.48	1.33	2.24	79.	20.	1.53	,24		3.81	nts the c	e per acr		
1947	acre	56.34	95.40	57.65	25.76	3.97	49.99	17.11	30.55	5.12	13.31	17.36			354.59	1.35	2.08	9.	.07	1.41	.23		3.66	operation represents	he averag		
9461	per	49.02	92.27	51.47	30.60	6.47	25.29	22.07	28.79	338	12.)	16.39	1	1	334.04	1.17	1.95	.57	90.	1.32	-22		3.34	operatio	present t		
3461	dollars	61.65	75.71	44.99	33.9	9.08	27.67	18.80	26.03	₹.2°	74.0	16.03	1	1	296.45	1.13	1.88	9.	20.	1.21	.21		3.22	cultural	es not re	operation	onte
1944		50.93	77.55	45.60	33.4	4.01	12.58	19.55	22.74	2.69	0.42	15.96	!	!	265.81	1.14	1.78	.55	90.	1.17	12.		3.13	each individual cultural	on and do	that particular operation.	Appril renorte
1943		33.39	31.65	34.21	24.58 80.58	.8	8.54	15.09	17.63	1.73	3.50	13.17	1	:	219.41	.72	1.61	64.	90.	1.06	.19		2.52		r operati	m that pa	
		Fertilizer Water	Pest control	irrigating	Fronting and tree care	Other materials	Other labor	General expense	Taxes	Insurance	Maintenance and repairs Depreciation on buildings	and equipment	Superintendence	Administration	Total: Per acre yield ^a /	Per packed box	Total:	Picking	Hauling	Packing	Selling and advertising	F.o.b. cost, including	selling per packed box	a/ The average cost shown for	performed that particular	those who did not perform	Source: California Citmus League

Table 41 continued.

Source: California Citrus League. Annual reports.

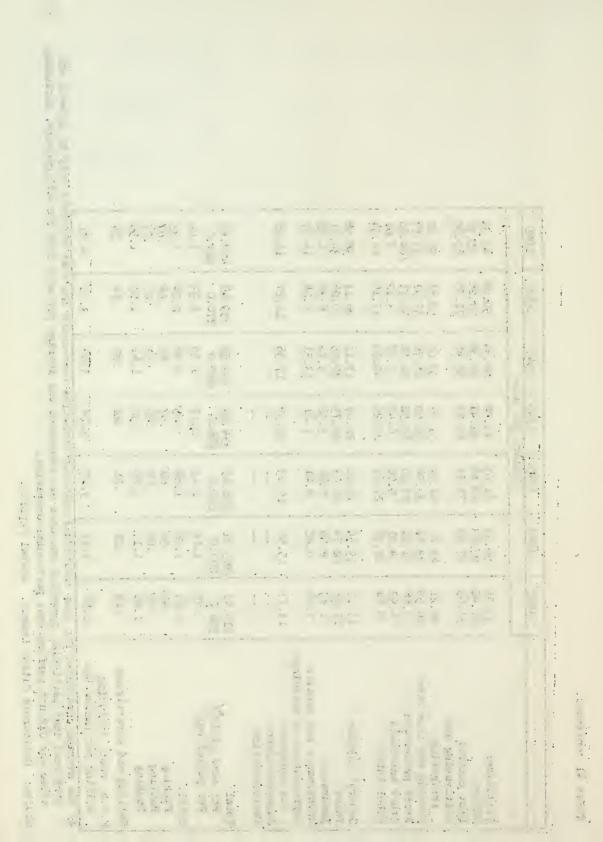


TABLE 42

Seasonal Variation in Shipments of California Lemons to Processing,

Average of Period 1941-42

Through 1949-50

Month	Index _a /
November	5կ.1
December	39.0
January	կ8.կ
February	65.7
March	88.8
April	105.և
May	122.5
June	121.8
July	121.0
August	109.1
September	62.0
October	62.2

a/ Average of the year = 100.

Source: Calculated from data furnished by the California Fruit Growers Exchange.

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TABLE 43

Seasonal Variation in the Movement of California Lemons to Processing, Winter and Summer Crops
Average of Period 1941-42.
Through 1949-50

					1				
		t indexa					t indexa	summ	
	Ventura-			Northern		Ventura-			Northern
Week	Santa	Los	San	Cali-	Week	Santa	Los	San	Cali-
winter	Barbara	Angeles	Diego	fornia	Summer	Barbara	Angeles	Diego	fornia
1	5.0	1.7	3.1		1	3.9	6.5	4.2	
2	4.6	2.3	1.6		2	3.5	7.4	4.7	
3	4.1	2.6	1.6		3 4 5 6	4.3	6.4	4.6	
4	3.4	2.5	1.9		4	3.8	5.6	5.4	
5	3.6	2.1	1.7	1.1	5	3.6	5.5	4.8	
6	2.9	1.9	2.6	0.9	6	4.3	5.5 5.1	5.0	တ
7	2.2	1.8	2.5	2.1	7	4.3	5.5	5.1	nt
Ŕ	1.6	1.9	1.7	1.9	8	4.0	5.5 5.2	5.4	ne Be
4 56 7 8 9	2.2 1.6 1.8	1.5	1.8	3.2	9	3.4	3.3	4.3	shipments
10	1.7	1.3	2.3	2.0	10	3.8	الالا	5.0	q,
111	1.8	1.0		2.8		2.0	4.4	2.0	
	1.0	3.3	1.8	4.4	11	4.5	4.6	5.9	80
12	2.0	3.0	2.5	3.7	12	4.3	4.0	5.3	large
13	2.8	3.9	3.2	6.3	13	5.0	3.7	5.0	7
114	2.9	3.0	3.8	7.5	14	4.3	3.6	4.6	l å
13 14 15 16	3.2	3.5	4.2	8.7	13 14 15	4.0	3.5	3.5	4
16	3.7	3.4	4.2	10.4	16	5.1	3.4	4.5	consistent nor
17	3.6	4.0 4.8 4.7	4.2	8.0	17	4.6	3.4	3.4	re Fe
18	3.6	4.8	5.4	10.1	18	4.6	2.5	2.6 3.0	S
19	3.9	4.7	5.9	7.5	19	3.7	2.5	3.0	18
20	4.1	5.8 5.2 6.5	6.0	5.3	20	4.3	1.9	2.3	ğ
21	1,5	5.2	6.8	3.7	21	3.2	1.6	1.9	
22	lı.5 5.1	2.5	6.2	20	22	2.4	1.6	1.6	No
23	5.6	6.6	7.0	2.9	23	2.5	1.0	1.4	
2)	6.6	7 8	4 5	2 5	2)	4.5	1.9		
24	2.6	7.8	6.5	3.5	57	2.5	2.0	2.0	+
25	7.6	6.7	6.3	1.9	25 26	3.2	2.0	1.8	
26	8.1	8.2	5.2	1.6	26	2.9	2.3	1.9	

a/ Weekly percentages of season total.

Source: Calculated from data furnished by the California Fruit Growers Exchange.

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Percentage of Total Shipments of California Lemons to Processing from Each Producing District, by Weeks, Average of Period 1941-42 Through 1949-50

Producing district										
					Northern					
Month and	week	Los Angeles	Ventura per	San Diego	California					
Name	7	30.0		1	1					
November	1 2	30.0 38.4	60.2 56.1	-9.8 5.5						
	3	11.2	52.3	6.5						
		46.0	47.7	6.3						
December	5	44.9	46.5 48.1	-7-3	1.3					
		42.4 49.3	39.4	8.0 9.2	2.1					
	7 8	47.3	34.7	11.4	2.1 6.6 -5.0					
	9	45.3	37.9	11.8						
January	10 11	47.3	36.1 25.4	12.2 7.0	4.4 7.1					
	12	60.5 54.2 55.5	29.9	8.8	7.1					
	13	55.5	27.4	12.2	14.9					
February	14 15 16	47.8 46.6	34.9 33.9 34.6 32.2	11.5 12.1	5.B 7.4					
	16	h9.6	34.6	10.6	5.2					
March	17	53.4	32.2	9.5	4.9					
March	19	52.7 51.4 57.0 59.0 57.9	30. ц 32. 0	11.4 11.7	5.5 4.9 2.7					
	20	57.0	27.9	12.1	2.7					
	21 22	59.0	26.8 29.9	12.6 10.5	1.6 1.7					
April	23	119.1	37.7	11.9	1.3					
	5/1	53.1	37.7 34.1	11.1	1.3					
	23 24 25 26	49.5 62.0	37.1 26.9	12.5 9.6	0.9					
May	27 28	48.0	42.5	9.Li 7.8						
	28 29	50.9 46.1	42.5 41.3 45.2	7.8 8.7	garage 					
	30	40.6	19-0	70-7						
June		43.9 36.3	46.8 53.80 55.2	9.3 9.9 8.6 11.5 11.2						
	32	36.3 35.1	53.8 56.0	9.9 8.6						
	31 32 33 34 35	35.L 36.6 33.6	51.8	11.5						
July	36	37.3	55.2	11.2						
2 444	36 37 38	37·3 31·7 34·6	53.1 58.55.0 55.55.0	9.6 9.8 9.9 9.9	****					
	38	34.6 35.1	55.5	9.9						
August	40		55.3	10.8	***					
	11 1	33.9 33.3	55·3 57·7	9.0						
	L ₁₂ L ₃	31.3 31.8	58.2 60.2	10.5 8.0						
September		33.8 35.6 31.3 31.1 34.0	57.8 55.5 60.0 60.6	8.4	42.6					
	445 45 46 47 48	35.6 31.3	55.5	9.2						
	1.7	31.1	60.6	8.2						
		34.0	56.7	8.4 9.2 8.7 8.2 9.3	40 4P					
October	9012 5512	33.6 34.4 28.2 32.2	61.2 56.5 66.4 62.5	5.2 9.1 5.4 5.3						
	31	28.2	66.4	5.4						
	52	32.2	62.5	5.3						
Year		42.8	46.0	9.6	1.6					

Source: Calculated from data furnished by the California Fruit Growers Exchange.

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TABLE 45

Calculated Lemon Tonnage Equivalent of Recorded Juice Packs

Year	Canned single strength	Frozen single strength 2	Fresh	Concentrate	Total
1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49 1949-50	10,260 1,305 4,995 14,850 28,215 14,715 22,124 20,443 23,317	2,926 2,009 3,082 2,393 26,329	341 2,238 2,048 1,976 1,896	7,615 52,462 21,308 30,231 21,530 18,769 34,320 44,537 47,238 <u>a</u> /	17,875 53,767 26,303 45,081 53,012 37,731 61,574 69,349 98,690

a/ Contains 6,988 tons for frozen concentrate.

Source: Production and Marketing Administration, U.S. Dept. of Agriculture.

Cols. 1-4: Calculated, using as equivalents: 1 ton of lemons equals 75 gallons of juice, equals 22.22 cases (2h No. 2 basis), equals 13 gallons of concentrate, equals 90 gallons of lemonade base.

Col. 5: Total of columns 1-4.

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	21 (2), 21 (2), 20 (3), (3), 21 (4), (3), 21 (4), (4), (4), (4), (4), (4), (4), (4),	Tige .	12 13 13 13 13 13 13 13		

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TABLE 46

Packs of Processed Lemon Juice in Various Forms

Year	Canned single strength 24 No. 2	Frozen single strength	Fresh gallons	Concentrate
1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49 1949-50	228,000 29,000 111,000 330,000 626,998 327,000 491,651 454,282 518,101	a/ a/ a/ 219,433 150,690 231,153 179,489 2,251,667 <u>b</u> /	25,572 167,843 153,622 148,167 142,163	99,000 682,000 277,000 393,000 279,890 244,000 446,156 578,987 614,096 <u>c</u> /

a/ Data not available.

b/ Contains 1,702,209 gallons of lemonade base.

c/ Contains 90,841 gallons of frozen concentrate.

Source: Production and Marketing Administration, U.S. Dept. of Agriculture.

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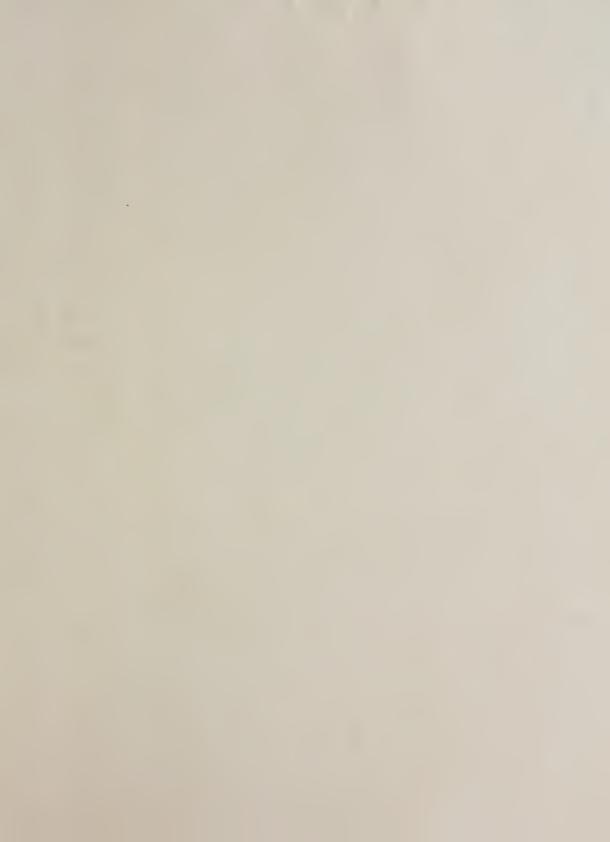
TABLE 47
United States Production of Lemon Oil, 1934-35 Through 1949-50

Crop year	Cold pressed oil	Distilled oil	Total oil production	
	pounds			
1934-35 1935-36 1936-37 1937-38 1938-39 1939-40 1940-41 1941-42 1942-43 1943-44 1944-45 1945-46 1946-47 1947-48 1948-49	662,600 63,281 261,373 329,297 854,763 798,470 1,445,027 747,571 864,593 369,399 514,821 1,006,576 912,852 846,054 425,780 534,704	191,948 26,482 129,914 113,113 180,165 268,906 182,897 111,467 112,323 86,300 119,455 184,745 56,524 70,012 41,095 150,884	864,548 89,763 391,287 442,410 1,034,928 1,067,376 1,627,924 859,038 976,916 455,699 664,276 1,191,321 969,376 916,066 466,875 685,588	

Source: Based on records of Exchange Lemon Products Company, Southern California Citrus Foods, and estimated production of other processors on basis of average yields and tonnage handled.

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